

In this issue: Dentistry Organized for Preparedness

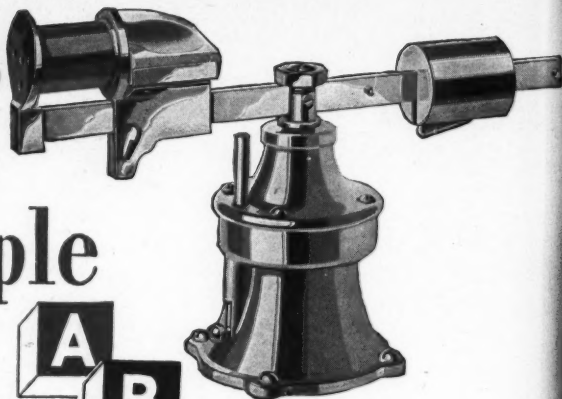


Greater New York Meeting, New York City, December 2-6

ORAL HYGIENE

NOVEMBER, 1940

It's as Simple as To Cast with Perfection



You won't need to make another wax pattern, invest it and burn the wax out of the mold, if you cast with the Perfection Casting Machine after you have completed the previous steps in the making of an inlay or larger cast restoration.

With the Perfection Casting Machine, casting becomes the simplest of all the factors in making a cast restoration. It is simplicity itself to operate and most dependable for results.

Reasonably priced at \$25.00

THE *Cleveland* DENTAL
MANUFACTURING COMPANY
CLEVELAND, OHIO • U.S.A.

COTTON DISPENSERS



Neat and Practical

• Handy at the chair and economical in use. Dispensers have weighted chrome base, transparent hycoloid body, chrome lid. Cotton sterilized after packaging.

ABSORBENT PLEDGETS. Extra Small. Dispenser and 4 Refills, Complete, \$1.95. Additional Refills, 6 for \$1.65.

DENTOFORM ABSORBENT COTTON. Dispenser and 1 Refill, 95¢. Additional Refills, 12 for \$1.00.

COTTON PELLETS. Dispenser and 6 Refills, \$1.65. Additional Refills, 12 for \$1.25. Pellet Sizes (not assorted): Extra Small, No. 4; Small, No. 3; Medium, No. 2.

ORDER FROM YOUR DEALER



Johnson & Johnson
NEW BRUNSWICK, N. J. CHICAGO, ILL.



The Publisher's CORNER

By MASS

Number 233

THE CORNER WELCOMES A VISITOR

The CORNER was visited last month by Dr. José R. Quiroga of La Paz, Bolivia. Doctor Quiroga is here on a good-will mission from his country. In March, at Baltimore, as the delegate of the Bolivian dental profession, he presented a bronze plaque to the Baltimore College of Dentistry during the celebration of the Centenary of Dentistry. The doctor is president of the Bolivian Dental Association, chief of the Bolivian Army Dental Corps, and a professor at the University of San Andres. He has been in this country for nearly a year, and has devoted part of his stay here to postgraduate work at New York University.

Doctor Quiroga's mission in Bolivia's behalf will cement even more firmly the friendship of our two countries. It is typical of the spirit which proves that the profession knows no boundary lines, and it exemplifies the truth which our own SPANISH ORAL HYGIENE has so frequently emphasized: that the dentists of North America and the dentists of Latin America are a united group, pursuing the same objectives, eager to help each other.

There is a growing movement in this country to plan for more active cooperation between our own profession and the profes-

sion in Latin America's twenty nations. Doctor Quiroga's work here will help the progress of this movement. His attractive personality, his intellectual attainments, his deep and understanding interest in dentistry's scientific achievements, make him welcome everywhere.

Here at ORAL HYGIENE, we were delighted to have him come to see us, to meet in person, as we seldom do, a reader of the magazine's Latin-American edition, which he confesses to having read regularly for the more than ten years it has been published.

* * *

Another reader confession came in the mail. Dr. Norman B. Nesbitt of Belmont, Massachusetts (who needs no introduction to the other habitués of this department), writes that "As a first-number reader of ORAL HYGIENE, I can truthfully admit that I have read every one of your CORNERS from No. 1. I take pride in the fact, and also in the fact that I have been in dental practice for 41 years. Many of my good dental friends are gone, but not forgotten: Bill Taggart, Hart Goslee, C. N. Johnson, E. C. Kirk, Bill Tracy, Rod Ottolengui, Bill Giffin, Rupert Hanau, George Phillips, George Winter, and many others."

"It
frien
help
have
writi
part
write
see e
than
cially
ing o
what
and a
for a
believ
"battl
the m

And
fession
Chadr
is a m
faithf
vetera
small
writes
happie



Dr. Jose R. Quiroga, at the right, presents the bronze plaque of the Government of Bolivia to the Baltimore College of Dentistry represented by, left to right, Herbert R. O'Connor, Governor of Maryland; Dr. H. C. Byrd, president of the University of Maryland; and Dr. B. Lucien Brun, general chairman of the Dental Centenary Celebration.

"It is because of the valued friendship of those men—and the help and inspiration their lives have proved to me—that I am writing this to you." Of this department's chapter No. 229, he writes: "I wonder how many will see eye to eye with us. For more than a year now, and more especially recently, I have been stating on every occasion that, come what will, sooner or later, Hitler and all he stands for are riding for a terrible fall . . . Indeed, I believe sincerely, as you do, that 'battles are first lost or won in the minds of men.'"

Another letter carries the confession of Dr. T. P. Mullins of Chadron, Nebraska, that he, too, is a member of this department's faithful little band, and "an inveterate reader of O.H." It's a small world: Doctor Mullins writes, "Now I receive one of my happiest surprises and most

pleasant thrills from that same O.H. when I read the August and September articles by Dr. Travis E. Kallenbach.

"The Colonel Mullins to whom Doctor Kallenbach refers is my brother, who finished at West Point and entered the Army the same year (1917) that I graduated from Creighton Dental and entered the practice of dentistry. Colonel Mullins is from a family more or less 'army', including the Revolution and the Civil War. Dr. Charles L. Mullins, our father, was captain in the Medical Corps in the Philippines during the Spanish-American war. Colonel Charles L. Mullins, Jr., is now serving in Managua, Nicaragua. Cadet Charles L. Mullins, IV, my son, is first classman in the U. S. Military Academy at West Point. We of the family are proud of the record of our Colonel, and the paragraphs concerning him are greatly appreciated."

Precision Moulds, Insure the Uniformity of

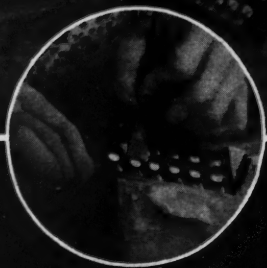


Moulding department, where
moulds are packed and teeth
receive the "biscuit bake."

Trubyte New Hue Teeth are
packed by experts in precision
moulds which have been carved
by Master Craftsmen.

THE DENTISTS SUPPLY

Expertly Packed Trubyte New Hue Teeth



Keen eyes and deft fingers
packing moulds with plastic
porcelain.

ould packing calls for meticulous
care and skill. It is one of the
important operations which con-
trol accuracy of size and fidelity
of shade.

TRUBYTE NEW HUE TEETH

Translucent

Fluorescent

COMPANY OF NEW YORK



Mrs. Emergency Patient calls....
“an appointment...today... please!”

An appointment a month or two sooner would have saved a tooth and avoided the severe pain which has driven her in desperation to seek the aid of her dentist. But she is a typical *emergency patient*; one of the millions whose fear of dental treatment keeps them out of dental offices.

Many *emergency cases* become *regular patients* once it has been demonstrated to them that a dental treatment need not be a dreaded and painful experience. McKesson analgesia and anesthesia equipment provides the solution to this problem which is of vital economic importance to so many dental practices.

The McKesson Nargraf for anesthesia and analgesia, and the Easor for analgesia only, embody important features not found in any other gas dispensing apparatus. Let us tell what these machines are doing for other dentists; how easy and economical they are to operate; how easy they are to own. Return the coupon. It will involve no obligation.

O.H.11

McKESSON APPLIANCE COMPANY, TOLEDO, OHIO: Please send without obligation complete information on ☐ Nargraf (for anesthesia and analgesia); on ☐ Easor (for analgesia).

Dr..... City.....

Address..... State.....



Inlays that are *Large Enough*

Widest difference between Kerr Cristobalite and other investments is in the Cristobalite's far higher rate of thermal expansion. This outstanding quality compensates for the shrinkage of wax and gold. Natural result with any technique is an inlay of full size and precise fit.

The Dr. Phillips Control Technic further enhances Cristobalite's fine properties by simplifying the investment process to a point where an assistant can easily be taught to handle the whole operation.

This Control Technic also permits you to vary the closeness of fit of any inlay, or to compensate accurately for extra-large or extra-small castings.

Avoid under-size inlays and other results of uncontrolled thermal expansion by standardizing on Cristobalite Investment and the Dr. Phillips Control Technic.

KERR DENTAL MFG. CO., DETROIT

KERR
REG. U.S. PAT. OFF.

**CRISTOBALITE *and*
CONTROL POWDER**

S. S. WHITE FILLING PORCELAIN IMPROVED

NEW USER PACKAGE

If you have never used this outstanding silicate, let it prove its merits in a practical test in your office without cost or obligation.



Contents:

- 6 Powders—one full portion each, Nos. 20, 21, 22, 23, 24, 26
- 2 Bottles of Liquid
- 1 Sterilizable Color Matching Guide
- 1 Powder Measure
- 1 Trial Bottle Powder No. 21
- 1 Trial Bottle of Liquid

PRICE **\$16.65**

This package is primarily for new users of Filling Porcelain Improved. Use the contents of the trial bottles; if they meet with your approval, accept the charge of \$16.65. If the trial does not convince you that Filling Porcelain Improved is the "silicate" for your purposes, then return the remaining contents of the package *intact* and receive full credit.

6-2 PACKAGE

*For present users of
Filling Porcelain
Improved*

With *free* trial bottle
of True Dentalloy and
Zinc Cement Improved.

Contents:

- 6 Filling Porcelain Improved Powders—one full portion each
 - No. 20 Pale Yellow
 - No. 21 Light Yellow
 - No. 22 Yellow
 - No. 23 Pale Yellow-Gray
 - No. 24 Yellow-Gray
 - No. 26 Gray-Yellow
- 2 Bottles Filling Porcelain Improved Liquid
- 1 Trial Bottle True Dentalloy "A" Cut
- 1 Trial Bottle Zinc Cement Improved Powder No. 12, Tooth Yellow
- 1 Trial Bottle Zinc Cement Improved Liquid

PRICE **\$16.65**



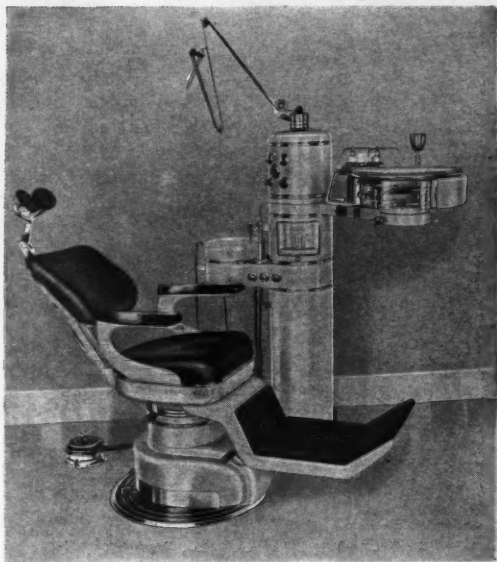
The six Filling Porcelain Improved powders in these packages will match 75% of your silicate cases without blending.



Filling Porcelain Improved, Zinc Cement Improved, and True Dentalloy comply with A.D.A. Specifications.

For Sale by Your Local Dealer

For the Dental Operating Room of **TODAY and TOMORROW**



S. S. WHITE MASTER UNIT *and* **MOTOR CHAIR**

Unit and chair have the same beautiful simplicity of line—a symphonic harmony that sets the style for the modern dental operating room for today and tomorrow.

Nor is eye appeal the only claim to distinction in the S. S. White Master Unit and Motor Chair. Each is built to match the working habits of you and your assistant in all operating positions, for more and better production with less effort on your part.

Any distributor of S. S. White Operating Equipment will gladly demonstrate the outstanding advantages offered by the Master Unit and Motor Chair, and acquaint you with the S. S. White FREE OFFICE PLANNING SERVICE and easy payment terms.

THE S. S. WHITE DENTAL MFG. CO.
211 South Twelfth St., Philadelphia, Pa.



SAFETY — WITH BEAUTY

Just think of the modernization this new Pelton "77" Sterilizer will create in the appearance of your whole office! The only Sterilizer combining these features as:—

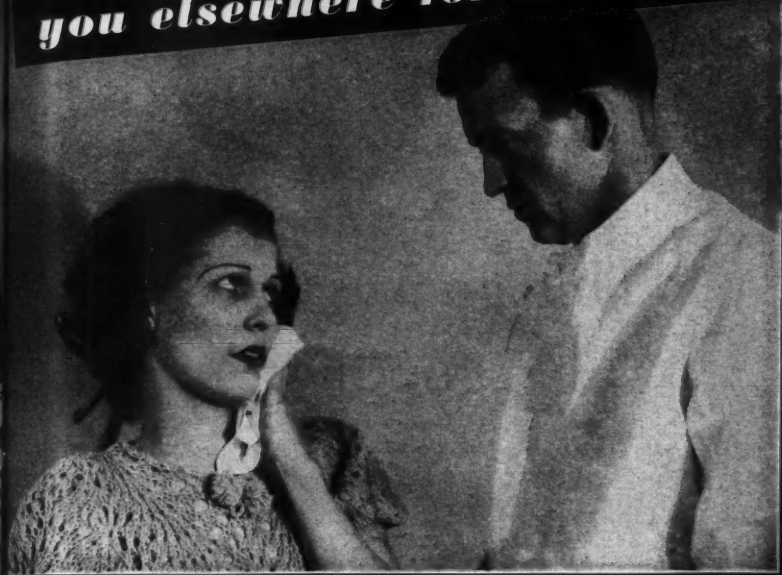
- ☆ Modern streamlining with large rounded corners.
- ☆ Uses less wall space (only 17½ inches).
- ☆ Glass top to match bracket table.
- ☆ Silent, soft, solid rubber pedal.
- ☆ Noiseless slow-motion closing.
- ☆ Large illuminated storage space.
- ☆ Famous automatic Sentry cut-off that "Remembers when you forget."
- ☆ Only \$95 (Eastern Zone); \$102 (Western Zone).

By all means see the new "77" at your dealer.
Or write us today for full details of this exciting new value in Sterilizers.

THE PELTON & CRANE CO., Detroit
ESTABLISHED 1900

PELTON "77" STERILIZER

**"Sorry, but I'll have to refer
you elsewhere for X-rays"**

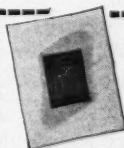


HOW do your patients react when you apologize for the inconvenience of sending them elsewhere for x-ray examination?

With more and more dentists installing individual x-ray units, so that x-ray films may be obtained while the patient is in the chair, the absence of x-ray facilities is becoming increasingly noticeable. A modern x-ray unit

in the dentist's office is conclusive evidence of his progressiveness.

With a General Electric CDX, Model E dental x-ray unit in your office you will gain a growing appreciation among your patients for this added service and convenience. Your obviously increased use of the x-ray will reveal the need of more dental service. Moreover, x-ray check-ups on completed work are reassuring... Let us show you how you can conveniently afford a CDX.



H1611
WITHOUT OBLIGATION

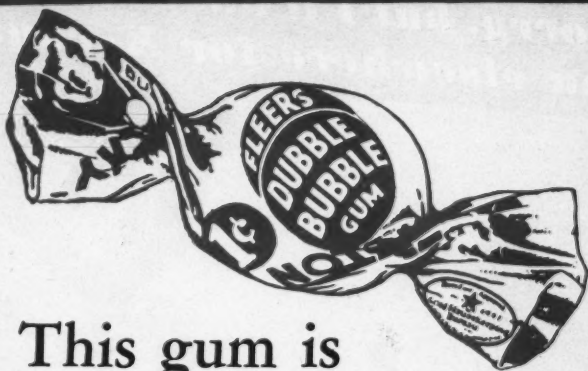
**GENERAL ELECTRIC
X-RAY CORPORATION**
5012 JACKSON BLVD. CHICAGO, ILL. U. S. A.

Please send me my copy of the new CDX catalog which describes and illustrates the Wall, Floor, and Mobile Type CDX X-Ray Units. I'm also interested in having facts and figures about your convenient purchase plan.

Name

Address

Dental Dealer



This gum is
good for gums



Some dentists have discovered that FLEERS DUBBLE BUBBLE GUM offers dental advantages over ordinary chewing gum and are recommending it to adults as well as to children.

DUBBLE BUBBLE GUM is more than three times as large as the usual stick, giving it ample bulk to fold over the teeth and massage the gums. Because it is much tougher and chewier than ordinary gum, it provides more exercise. It also helps remove food particles from the teeth, and stimulates the flow of saliva.

For children, it is a "natural." They spend their own treasured pennies for FLEERS DUBBLE BUBBLE GUM . . . buy more of it than any other penny gum on the market. And it's fine that the gum they like is so good for their teeth.

Recommend FLEERS DUBBLE BUBBLE GUM as a dental aid to those patients you feel it will be helpful. Frank H. Fleer Corp., 1000 Diamond Street, Philadelphia, Pa. Manufacturers of chewing gum since 1885.

FLEERS DUBBLE BUBBLE GUM

atural."
sured
UBBLE
an any
market.
ey like

UBBLE
o those
helpful
1000
ia, Pa.
g gun

um

The a
he in
ely u
pothl

The
quib
cribe
elp
artis
usual

ed

LE

ny

ft.

ce

agne

utrn

puth

H

quibb

so p

er an

ental

ctive

o

quibb

a. the

irror

m e le

outh

EF
ANUF

Your patients take your word
for the Quality of
the products you prescribe

The success of your practice is due in no small measure to the interested, personal service you give your patients. They rely upon you for advice about dentifrices, mouthwashes and toothbrushes.

The public is well acquainted with the high quality of Squibb products. We believe, therefore, that, when you prescribe or suggest a product bearing the Squibb label, it will help you maintain the confidence of your patient. Here is a partial list of products made by Squibb which are especially valuable for dental use.

Squibb Dental Cream—A safe, effective dentifrice. Free from any ingredient which might be harmful to the teeth, the mucous membranes of the mouth or the stomach if swallowed. Ideal for children. Contains Squibb Milk of Magnesia—a safe, effective acid-neutralizing agent. Leaves the mouth feeling clean and refreshed.

Squibb Tooth Powder—For those who prefer powder. It provides the same advantages as Squibb Dental Cream and is just as effective and enjoyable to use.

Squibb Angle Toothbrush—Bent at the same angle as your dental mirror to make it easy to brush the less accessible places in the mouth. Has three rows of high-

quality, natural bristles—six tufts to a row. Two degrees of stiffness—hard and medium. Suited to mouths of all types and adaptable to all brushing techniques.

Squibb Oral Perborate—A pleasant, palatable and free-flowing sodium perborate powder for use on a toothbrush, or in solution as a mouthwash when indicated.

Squibb Dental Lotion—A refreshing, cleansing, anise-flavored mouthwash for routine use. Mildly astringent.

Squibb Antiseptic Solution—An effective gargle and aid to oral hygiene. Used as a gargle or spray it helps relieve mouth and throat irritations.

For literature on Squibb Products for the Dentist
address Dental Division, 745 Fifth Ave., New York

ER SQUIBB & SONS, NEW YORK
MANUFACTURING CHEMISTS TO THE MEDICAL AND DENTAL PROFESSIONS SINCE 1858





FETOR EX ORE

May Mean

CONSTIPATION

Offensive mouth odor is attributable to constipation more often than is commonly supposed. Delay in the passage of intestinal waste is apt to cause disagreeable breath.

SAL HEPATICA

MILD AND EFFECTIVE LAXATIVE

Sal Hepatica helps to restore osmotic equilibrium and to effect retention of liquid bulk in the bowels. Thus, it gently but thoroughly flushes the intestinal tract. Sal Hepatica combats excessive gastric acidity and acts as a choleretic and cholagogue.

*Send for samples of palatable,
effervescent Sal Hepatica.*

SAL HEPATICA Flushes the Intestinal Tract and Helps Combat Excessive Gastric Acidity.



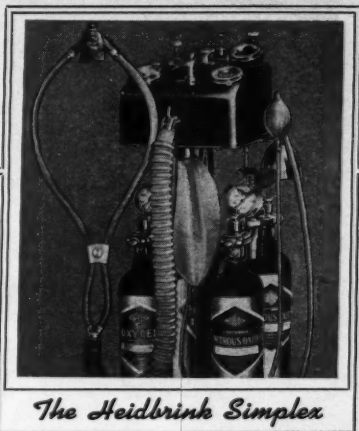
SAL HEPATICA action resembles that of certain famous natural mineral spring waters known for their aperient properties.

BRISTOL-MYERS COMPANY

19-L West 50th Street

New York, N. Y.

NAME ☐
ADDRESS ☐
CITY ☐



The Heidbrink Simplex

The modern and successful dentist knows the value of alleviating fear and pain in building and increasing his practice . . . and his income.

You, too, can change sensitive patients who *hate* to come to you, into sensible patients who *like* to come to you . . . with the HEIDBRINK SIMPLEX—the ultimate in modern anesthesia and analgesia apparatus.

WRITE TODAY for details on Anesthesia and Analgesia equipment . . . and earning's chart on dental gas machines. JUST MAIL THE HANDY COUPON . . . no obligation, of course.

THE OHIO CHEMICAL & MFG. CO.

PIONEERS AND SPECIALISTS IN ANESTHETICS

1177 Marquette Street

Cleveland, Ohio

BRANCHES IN ALL PRINCIPAL CITIES

THE OHIO CHEMICAL & MFG. CO.
CLEVELAND, OHIO

OH 11-40

- ☐ Please send details on Anesthesia and Analgesia equipment and earning's chart on dental gas machines.
- ☐ I'd like a demonstration in my office, without cost or obligation.

NAME _____

ADDRESS _____

CITY _____ STATE _____

Two Formulas

containing Novocain and Cobefrin are now obtainable from your dental dealer.

NOVOCAIN with **COBEFRIN** REGULAR—This anesthetic which has been so popular for seven years, is supplied in either Cook or Waite solutions. Cook solutions have a normal saline vehicle; Waite solutions a chemically compounded base.

NOVOCAIN-PONTOCAINE-COBEFRIN—A new formula for cavity-preparation or procedures requiring anesthesia of longer duration than normal. In Waite cartridges and ampules only. The only Waite formula with a saline base.

Novocain-Pontocaine-Cobefrin is particularly indicated for operations such as extensive cavity and bridge abutment preparations, alveolectomy, etc. Now available in boxes of 100 cartridges.



COOK LABORATORIES, INC.
The ANTIDOLOR MFG. CO., Inc.
 170 Varick Street • New York, N. Y.
 Laboratories: Rensselaer & Springville, N. Y.

NOVOCAIN, PONTOCAINE, COBEFRIN,
 Reg. Trademarks, Winthrop Chemical Co., Inc.

NOVOCAIN

Champ in the ring.. but just a PUSHOVER for "dental dread"

MODERN DENTISTRY DISCOURAGES FEAR BY PREVENTING PAIN

DREAD of dentistry brings a patient to the chair nervous, tense, fearful of being hurt.

You know how true this is. And like many other dentists, you probably use Novocain with Cobefrin *routinely* to prevent pain and contribute to your patients' comfort and satisfaction. It is easy, when teeth are cleaned and examined, to explain that needed operative or restorative work will not be painful - and just as easy to prove it by proper pain control with Novocain with Cobefrin.

The advantages of Novocain with Cobefrin are numer-



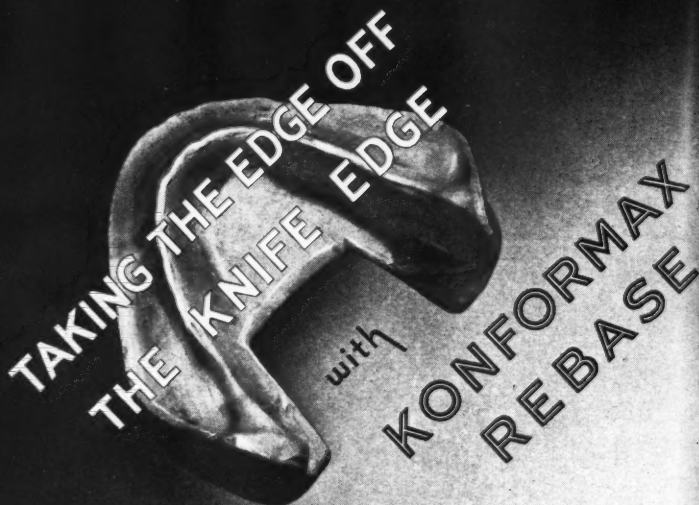
ous. It provides anesthesia sufficiently prolonged to permit extractions, sensitive cavity preparations, many minor surgical operations. It is generally well-tolerated. It reduces the possibility of unpleasant post-operative effects to a gratifying minimum.

If you are not already using Novocain with Cobefrin, why not specify a box of 100 Cook or Waite cartridges or ampules on your next order?

C.
Inc.
Y.
N.Y.

COBEFRIN

Over 80 Million Injections Prove Its Worth



The above model shows a Knife-Edge Lower Ridge which always produces discomfort for the patient and trouble for the dentist.

Konformax Rebase applied to the denture acts as a "cushion" and allows the patient to wear denture with perfect comfort.

In extreme cases, construct groove in denture over the Knife-Edge and fill groove with Konformax Rebase.

Konformax Rebase is smooth and easy flowing . . . Does not set by chemical action . . . Variations of office temperature have no effect on it . . . The composition of Konformax Rebase does not deteriorate with age . . . It is always ready . . . It produces perfect suction and cushion . . . Lasts in the mouth from six weeks to six months . . . Is non-irritating and may be used on any standard denture material, either full or partial . . . Is not affected by saliva . . . and is inexpensive because ten or more rebasings can be obtained from a \$4 package of six tubes.

KONFORMAX REBASE

KONFORMAX LABORATORIES, INC., 1730 AVENUE T, BROOKLYN, N. Y. CABLE ADDRESS: KONFORMAX, NEW YORK



Comfort
MEANS EVERYTHING
 TO YOUR PATIENT

GIVE **PANODYNES**

AFTER THE *Extraction*

**AIDS IN RELIEVING
 DENTAL PAIN**

ALSO ... effective in relieving pain due
 to headache, neuralgia and neuritis.

On Sale - Druggists Everywhere

30 YEARS
 OF
 Professional
 Acceptance



Write

TODAY FOR

**FREE PANODYNE SAMPLE SERVICE
 TO DENTISTS...ON REQUEST**

WILLIAM A. WEBSTER COMPANY, MEMPHIS, TENN., U.S.A.
 PHARMACEUTICAL MANUFACTURERS

NEEDED FOR MASSAGE BRUSHING

—this preparation

CONTAINS NO ABRASIVES, NO SOAP, NO SODIUM PERBORATE. A capful of Calsodent makes a glassful of solution. Used as a brushing dip, makes massage brushing pleasant; removes debris from brush; "cuts" mucin; has tonic effect on gingival tissue. Solution also acts as most effective mouthwash.

CAL-SO-DENT

Trade Mark Reg.

Dissolve 1 capful in glass of water and use as mouth wash and dentifrice as directed by your dentist.
1 1/4 oz. net weight.

—this brush

BRUSH HEAD NOT TUFTED, NOT TOO LONG, NOT TOO BROAD, NOT TOO NARROW. Small head with crested brushing surface permits proper application against all gingivae. Spaced tufts penetrate into interproximal spaces. Bristles in Calsodent Brush keep resilience longer because they are base-end cuts of selected Chungking boar bristles.

SPECIAL OFFER TO DENTISTS—to insure home use of proper equipment

AT LESS-THAN-COST, the materials you need for instructing your patients in massage brushing or giving chair-massage treatments. Each Kit contains a 50¢ Calsodent Brush with

special Chungking bristles and a bottle of Calsodent that makes 2½ quarts of massage brushing solution. 5 Kits for \$1.00. At this price, only 30 Kits at a time.

**5
KITS
\$1.00**

CALSODENT CO., INC., 215 4th Ave., New York 10
Please send me: ☐ 5 Kits; ☐ 10 Kits; ☐ 20 Kits
☐ 30 Kits—at your special price to dentists of \$1.00 for \$1.00. Each Kit is to contain a 50¢ Calsodent Brush and a 10¢ bottle of Calsodent.

☐ Check Enclosed ☐ Send C. O. D.

Name.....

Address.....

City..... State.....

OH-11-4

☐ Also send me FREE your manual for dentists Massage Brushing.

Oral Hygiene

NOVEMBER
1940

Nation-Wide Survey of Dentists Will Aid Defense	1347
Are Women Welcome in Dentistry?.....	1356
<i>Marguerite McClain</i>	
You Can Help Our Neighbors to the South.....	1361
<i>Travis E. Kallenbach, D.D.S.</i>	
City Dentist is a Country Success.....	1368
<i>Walter Rudolph</i>	
Do You Charge for Examination and Treatment?.....	1370
<i>Philip Weintraub, D.D.S.</i>	
Dentists in the News.....	1373
Editorial Comment.....	1376
Technique of the Month.....	1378
Ask Oral Hygiene.....	1380

EDITOR

Edward J. Ryan
B.S., D.D.S.

ASSISTANT EDITOR

Marcella Hurley
B.A.

EDITOR EMERITUS

Rea Proctor
McGee
D.D.S., M.D.

EDITORIAL OFFICE: 708 Church Street, Evanston, Ill.; PUBLICATION OFFICE: 1005 Liberty Avenue, Pittsburgh, Pa.; Merwin B. Massol, Publisher; W. E. Craig, D.D.S., Associate; R. C. Ketterer, Publication Manager; Mary Connally, Assistant to Publisher; Dorothy Sterling, Promotion Manager; Elizabeth Boyle, Circulation Manager. ADVERTISING OFFICES: NEW YORK: 18 East 48th Street; Stuart M. Stanley, Eastern Manager. CHICAGO: 870 Peoples Gas Building; John J. Downes, Western Manager. ST. LOUIS: Syndicate Trust Building; A. D. McKinney, Southern Manager. SAN FRANCISCO: 155 Montgomery Street, LOS ANGELES: 318 West 9th Street; Don Harway, Pacific Coast Manager; Nelson Harway, Assistant. Copyright, 1940, Oral Hygiene, Inc. Member Controlled Circulation Audit.

Oh

FORHAN'S ADVERTISING ADMONISHES

4 OUT OF 5 ABOUT GINGIVITIS

ALSO
URGES

SEE YOUR DENTIST
EVERY 3 MONTHS!

Your dentist would rather help you to keep your teeth and gums in good condition than inflict the pain of costly dental treatment on you. Wise

folks now visit their dentist EVERY 3 MONTHS for tooth and gum inspection instead of the customary "twice a year"...

MORE than 4 out of every 5 patients, examined in a Clinical Investigation conducted by Forhan's, had Gingivitis. For this reason Forhan's has been constantly advertising the above message to over 40,000,000 people.

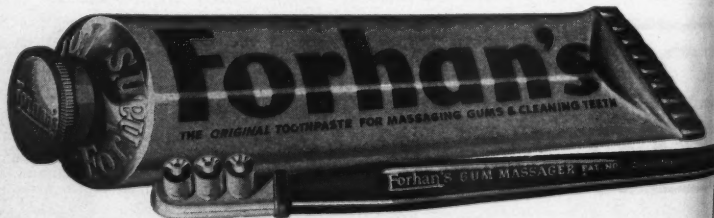
Results from this investigation showed 95% of the Gingivitis cases remarkably improved in 30 days

(after prophylaxis) by brushing their teeth and massaging their gums twice daily with Forhan's Toothpaste.

Forhan's, the original formula of Dr. R. J. Forhan, has enjoyed professional recommendation for over 20 years. Won't you please indicate Forhan's Toothpaste as an adjunct to dental care?

Clinical samples sent upon request to Forhan's, New Brunswick, N. J.

FREE To your patients: a 50¢ Forhan Gum Massager will be sent any patient if they send us empty carton of large size Forhan's Toothpaste



Nation-Wide Survey of Dentists Will Aid Defense

OVERSHADOWING ALL other considerations at the Centennial Meeting of the American Dental Association was the concern of dentists over what part they would play in the national defense program. A plan to mobilize the dental forces of the nation was presented by the Committee on Dental Preparedness, discussed, and accepted promptly by the House of Delegates. Essence of the plan is a nation-wide survey to be made of dentists, and to finance this project \$25,000 was appropriated by the Association at the Cleveland meeting. The first and most important step in this plan has now been taken. Nearly 75,000 questionnaires were sent out early in October in an attempt to reach all dentists registered in the United States and its possessions.

From the questionnaire, the Association expects to obtain complete information on the dental personnel of the nation and its ability to serve the military and civil needs of the country. Through a working relation-

ship with a tabulating company, the Committee on Dental Preparedness intends to make the data on these questionnaires available to the War Department in the shortest possible time. As it is the first complete survey ever made of dentists, the Association hopes also to obtain from it valuable information to use as a basis for publishing a complete directory of dentists. For his own benefit, as well as that of the country and the Association, every dentist should answer his questionnaire and send it back by return mail to the Central Office in Chicago. If any dentist does not receive a questionnaire, he should request it at once from the American Dental Association, and it is the responsibility of each dentist to see that his friends, who are non-members of the Association, send for their questionnaires. In the opinion of the Committee on Dental Preparedness, it is essential that the capabilities and potentialities of all dentists be listed in this permanent record.

Interest of the War Department will center around the answers to the question: "If you are beyond the age of 21 and have not reached the age of 36, will you volunteer for immediate active dental military service under the present mobilization program?" It is the hope of the Committee on Dental Preparedness that a sufficient number will volunteer so that no dentist will have to be conscripted in order to take care of dental needs.

The present conscription law will be in effect up to and including 1945 and, if enough dentists between the ages of 21 and 35 volunteer, it will not be necessary to disturb the men who have been many years in practice and can best serve the needs of the civil population.

It is estimated that the number of dentists needed immediately in connection with the conscription law is 2500. Those who volunteer for one year of service will serve part of the time as dentists, and will also receive training with the combat division. They must learn how to practice dentistry under military and field conditions to become qualified as dental officers.

As approximately 2000 were graduated from dental schools last year, it is anticipated that there will be many volunteers among this group. Recent graduates of dental schools are eligible for commissions as First Lieutenants at approximately \$2500 a year. If they volunteer, they can discharge their obliga-

tion in a year and enter private practice, in the event that there is no war.

Exemptions

The status of dental students under the conscription law was much discussed at the Cleveland Meeting. Although the Committee on Dental Preparedness approved the national defense program, in principle, it felt that action should be taken on the matter of exemptions for dental students. The Committee reported that, upon the request of Doctor Leroy M. S. Miner, Chairman of the Council on Dental Education, they had petitioned the Senate and the House Military Affairs Committee and the Surgeons General of the Army and Navy to grant to pre-dental students and dental students deferred classification. These men, they pointed out, "would be more valuable to the government in time of national emergency, if permitted to finish their professional courses, and dental education and dentistry in the United States would otherwise suffer tremendously."

Although deferred classification has not been included in the conscription law, the Committee was of the opinion that this matter would be taken care of through selective service regulations to be issued later by the President.

To illustrate the extent of the plans for the mobilization of dental forces among the schools and other dental organizations

in cooperation with the Red Cross and national defense committees, a splendid map entitled "Dentistry Organized for Preparedness," was exhibited in the Health and Scientific Exhibits. This map, prepared by the American Red Cross under the supervision of the American Dental Association, is reproduced in ORAL HYGIENE this month as an indication of the scope of the national plan.

Immediately following the Cleveland Meeting it was possible to set forces in motion for the dental survey of the country and to take other constructive measures for cooperating with the War Department, only because of months of preliminary work of the Committee on Dental Preparedness of the American Dental Association, which was appointed in December, 1939, at the request of Brigadier General Leigh C. Fairbank. Chairman of this Committee is C. Willard Camalier of Washington, D. C., and Gerald D. Timmons of Chicago is the secretary. After the national committee had been set up and functioning for some time, it became evident to the members

that some way must be found to secure the cooperation of committees in each state to whom questions about the ability of men in their locality could be referred as well as other matters for which specific local knowledge was important. As a consequence, a military affairs committee was appointed by each

state society to cooperate with the Committee on Dental Preparedness. Referring questions about the ability of dentists back to their local committee will, it is believed, assure a high and uniform quality of dental service in the Army and Navy. These committees will also be asked to cooperate with the Surgeons General of the Army and Navy in a program to re-

Every dentist is urged to cooperate wholeheartedly in the important dental survey described here. The questionnaire should be filled out and returned the day it is received. Anyone who does not receive a questionnaire, whether he is a member or a non-member of the American Dental Association, can obtain one immediately by sending a request to the Committee on Dental Preparedness, American Dental Association, 212 East Superior Street, Chicago.

duce the percentage of rejections among volunteers, who would be called in the draft. With the cooperation of these state committees, another important part of the preparedness program will soon be under way. At the suggestion of the War Department, outlines for the study of military dentistry, which will be adaptable for study club programs, are being prepared. This will enable

Dentistry
Organized for
PREPAREDNESS



men who are not serving in the armed forces to equip themselves to serve in case an emergency should arise.

An indication that the American Dental Association took the initiative in making this preparedness program possible and offering its services to the national government, more than a year ago, is contained in a letter to Doctor Arthur H. Merritt, written on July 6, 1940, by Major General James C. Magee, The Surgeon General of the U. S. Army:

"Nearly a year ago, you and several other representatives of the American Dental Association called on me and generously offered the assistance of the dental profession in the National Defense Program. At that time there appeared but little to be done. Today, however, there are many ways in which the American Dental Association can assist the Army in the procurement of

professional personnel for the Dental Corps, and with its problems concerning the dental health of the Army."

Besides suggesting the survey of the dental profession, Major General Magee recommended that the American Dental Association maintain a numerical roster of availability by states; that the War Department, Corps Areas, or regional officers be able to call upon the American Dental Association for dentists by specialties, as and when required; and each state would be expected to supply its quota of dentists. In the quotas, it was his suggestion that credit would be given for sponsored units, and preference would be given to reserve officers whenever their qualifications warrant. This plan would distribute the professional load and, if properly administered, should prevent the stripping of rural and isolated communities of their dental personnel.

COMMITTEE ON DENTAL PREPAREDNESS

C. WILLARD CAMALIER, *Chairman*
Washington, D. C.

C. G. BROOKS
New London, Connecticut

J. T. O'ROURKE
Louisville, Kentucky

EDWARD H. BRUENING
Omaha, Nebraska

J. BEN ROBINSON
Baltimore, Maryland

H. O. LINEBERGER
Raleigh, North Carolina

LEUMAN M. WAUGH
New York, New York

GERALD D. TIMMONS, *Secretary*
Chicago, Illinois

Comments on the Preparedness Program:

Brigadier General Leigh C. Fairbank:

Speaking at the Cleveland Meeting, he said that the plan for dental preparedness presented to the House of Delegates was "absolutely essential for the solution of the many problems involved in obtaining sufficient and efficient dental service for the men called to defend the country." He pointed out that the 500 dentists now serving the army must be increased to 3000 to meet the needs of the training program. As to the Dental Reserve Corps, he said that there are now 4600 officers in it, and these will be drawn upon first. "However," General Fairbank added, "those with the rank of major, lieutenant colonel and colonel probably will not be called. We want young men in our training program. We want them to grow up with it. We want them to be physically fit to carry on under the stress of whatever crisis may come."

With reference to dentists of military age who do not volunteer or apply for commissions in the Dental Corps, General Fairbank had this to say: "Those men will be drafted as privates, and they will not practice any dentistry while they are privates. They will do the same drills and the same work as all other privates."

Lieutenant A. H. Grunewald, U. S. Naval Dental Corps:

Respecting the dental preparedness program, Lieutenant Grunewald told the dentists at Cleveland that civilian dentists and the U. S. Naval Dental Corps are cooperating closely, with increased interest on both sides. In discussing current developments, he revealed that the present active list in the Naval Dental Corps includes 327 dental officers, with 28 reserve officers now on active duty. "At present," he added, "there are 100 dental officers in 80 ships, plus 28 on the Asiatic station and other foreign shore duties . . . The number of ships in commission is slightly under 500, hence it is evident that many ships do not have a dental officer, while one has as many as three. The hospital ship, *Relief*, has three dental officers, whereas the large plane carriers and tenders, as well as the *Utah* and *Medusa*, have two each. Other ships which have dental service carry but one dental officer.

"Dental officers of the Navy, both at sea and ashore, enjoy the same privileges as other Staff or Line officers of equal rank. The tenure of office in the Dental Corps is for life, unless sooner terminated by removal, resignation, disability or failure to be selected for promotion. The annual pay and allowances, upon appointment, amount to \$2,699 for an officer without dependents and \$3,158 for an officer having dependents. The maximum salary attainable, including allowances, is \$7,200 annually."

Gerald D. Timmons, secretary of the Committee on Dental Preparedness:

"The Dental Preparedness Committee will serve as a clearing house in connection with the military affairs committees of each state. This Committee will have a three-fold responsibility, first to the country for the benefit of which adequate and accurate dental statistics must be furnished the War

Department; second, to the people in rural districts, which must not be depleted of dentists; and third to the profession at large, whose standards must be maintained by the proper placing of each dentist.

Opinions Asked

At the Cleveland Meeting the Editor of ORAL HYGIENE asked dentists to express their personal opinions on the following questions regarding the relation of the dental profession to the compulsory military service law:

1. Should dentists and dental students be exempt or be given preferred classification under the compulsory military service law?
2. Should persons rejected for selective military service because of dental defects be required to have such defects corrected immediately and at their own expense to make them eligible for service?
3. Should adequate dental care for *all* registrants under conscription be undertaken by the federal government?
4. Do you believe that private practitioners should furnish dental care for conscripts and the services be paid for by the government? If so, should this be done on a fee basis, capitation basis, or salary basis?

These answers have been selected as a reflection of opinion in different sections of the country:

Leslie Warburton, Salt Lake City Utah: "Preferred classification should be reserved for the Dental Corps; persons rejected because of dental defects should not be required to have corrective treatments at their own expense; adequate dental care for all registrants under conscription should be undertaken at the expense of the federal government; and private practitioners should furnish dental care for conscripts, the services being paid for by the government on a combination of fee and salary basis."

Irving R. Hardy, New York City: "Dentists and dental students should be given preferred classification; the federal government should pay the cost of corrective treatments of men rejected for dental defects; but the service should not be done by private practitioners, but rather taken care of by expanding the Dental Corps of the Army to enable it to take care of all men conscripted."

George W. Wilson, Milwaukee: "Preferred classification should be given to dentists and dental students; dental defects which have caused a man to be rejected should be corrected at his own expense to make him eligible for conscription; the federal government should not stand the expense of such service, because it would be too costly and establish a dangerous socialized type of service; private practitioners ought to condition these patients in their private offices, and charge the regular fee; or, when feasible, at the discretion of the dentist, do it without any charge."

Walter Scherer, Houston, Texas: "I believe dentists and dental students should be given preferred classification; the decision as to the reconditioning of those registrants rejected because of dental defects should be left to the discretion of the Medical Advisory Board as it was in the last draft; the federal government should not finance the cost of adequate dental care for all registrants under conscription."

Vern D. Irwin, Minneapolis: "Dental students should be exempt under the conscription law and dentists should enlist in the Reserve Dental Corps to be called upon when needed for *professional* service; persons rejected because of dental defects should, if possible, be required to have corrective treatments at their own expense, unless they are in the indigent class; the federal government should not bear the cost of adequate dental care for *all* registrants; in the case of the indigent or near-indigent the government should furnish money for dental treatments needed by conscripts through social security agencies already established in every state, as an auxiliary function of one of those agencies, such as Aid to Dependent Children, Old Age Assistance, Crippled Children, or U. S. Public Health Service."

Paul H. Belding, Waucoma, Iowa: "Under the new conscription law I believe that dentists and dental students should be given preferred classification; persons rejected because of dental defects should not have to pay for the correction of these defects to make them eligible for service; the federal government should stand the cost of adequate dental care for *all* registrants, with private practitioners giving the service on a fee basis."

DENTISTS TO AID NATIONAL FITNESS PROGRAM

TO DRAFT A PROGRAM for "toughening up America" physically to meet the realities of a world at war, President Roosevelt plans to call a conference of physical educators and dental and medical experts soon after the November election. It is proposed to make physical training the basis of the program for the entire nation, which will be voluntary in all details, and supervised from Washington by John B. Kelly, a Philadelphian who twice was Olympic sculling champion. With a view to building national stamina from the bottom up, there will be a specific health program designed for the schools, another for young men and women up to the age of 25, and one for adults from 18 to 60. For women, a major part in the program is being planned, including training in dietetics, home nursing, and first-aid, as well as a part in the organized calisthenics.

ARE WOMEN WELCOME IN DENTISTRY?

by MARGUERITE McCLAIN

DESPITE THE NINETEENTH amendment, with its accompanying insinuation of the possibility that a woman *might* have a brain, three parts condescension and one part actual scorn are likely to greet a member of the deadlier specie when she dares to invade some man-made realm. Women-driver jokes are stock favorites, not because they are particularly funny, but because the men—bless their hearts—love 'em, and women steelworkers and bronco busters, who no doubt take their work with deadly seriousness, are viewed by the general public as something that exists only to round out the news-reels.

Just where women dentists came in this category, I wasn't quite sure. I had never seen one in the flesh, and had only the vaguest idea such creatures existed. So when I was requested by ORAL HYGIENE to inter-

In answer to a question on a girl's chance of success in dentistry today, Doctor Just replied: "If she decides to specialize in children's dentistry, she may go far. If she goes into general practice, and is capable and charming, has perseverance, pluck, and ability, she is fairly certain of retaining a steady flow of both men and women patients."

view Doctor Dagny I. Just, one of two women dentists in Minneapolis, I accepted with alacrity. I was quite sure Doctor Just would have some well-crystallized opinions regarding *her* entrance into the man-made realm of dentistry. And, sure enough, she did.

In our telephone conversation Doctor Just had informed me that her home and office were combined, so when I was ushered into a long, pleasant, fireplace-at-one-end living-room, with vistas of equally pleasant rooms beyond, I wasn't a bit surprised. Nor was I surprised to discover the second story devoted to her practice.

From a woman's point of view, this seemed an entirely logical arrangement.

In her conventional white uniform, her trim, prematurely gray hair, Doctor Just so precisely typified a capable hygienist or assistant that, to my annoyance,

I found myself addressing her as "Miss Just." (Which just goes to show you what stupid things I can do on the faintest provocation.)

However, we both laughed it off (I in a slightly strained key) and I was given my choice of "first or second floor" for the interview. I decided on the second, because dental reception rooms always seem singularly restful if your teeth are in good repair, and besides—a business rather than a social setting seemed more appropriate for the occasion. So it was in the sunny waiting office, sandwiched between her laboratory and operating room, that the story of this woman dentist was unfolded to me.

Dagny Just (for she still uses her maiden name in her practice) was bitten by the "dental bug" at the age of twelve—when she visited her mother's sister in Oslo, Norway. This aunt, Doctor Gunda Frydenlund, was a dentist of high repute—in fact, all members of the dental profession are held in great regard in the Scandinavian countries — and during the World War took care of the late Queen Maud.

The Oslo visit lasted a year, but the idea of becoming a dentist persisted way into high school.

"When I was a high school senior, I had a talk with Alfred Owre, Dean of the University of Minnesota," explained Doctor Just, "and he advised me to take a year of manual training to help me gain more manual dexterity. So, into the South High workshop

I went—my first experience as a minority member of a group.

"The next fall I enrolled in the dental college at the University of Minnesota . . ."

"And your troubles began?"

Doctor Just smiled. "On the contrary, the attitude among the men students was exceedingly friendly. You see, there were five of us girls in the class of '17—the largest class of women dental students Minnesota has ever had, and we sort of stuck together. Nobody dared to buffalo us!"

"And I imagine the instructors catered to you—helped push things along."

"They certainly did not," retorted Doctor Just indignantly, "we were expected to produce the same standards of work as the men, no more—no less. An eyelash flutter never accomplished much there."

"Then, when you graduated, did you find it difficult breaking into actual practice?"

"Not at all. I had two immediate offers to assist with an already established practice, and finally decided to go in with Doctor Juell, who later served on the Minneapolis school board. Doctor Juell was ill a great deal of the time, so I virtually took over in every capacity.

"And now," she added with a grin, "is when my troubles began! The men patients were fine, but the women patients soon gave me to understand that my services were distinctly not wanted! Many a woman walked off in a dudgeon when she spied me



Doctor Dagny Just (Minneapolis Tribune Photograph)

behind the explorer. I guess the climax came the day one dear soul became hysterical and screamed, 'Keep your big hands out of my mouth—you, you job-stealer!' It sounds funny now, but it was terribly discouraging

then. Sometimes I wished that aunt in Norway had run an elevator—or sold peanuts."

"How did you manage to overcome this lack of confidence?"

"I don't think it was lack of confidence in me," replied Doctor

Just
silly,
of th
it m
dent
fact,
part
caps
does

In
how
she
well,
mont
Huld
grad
in Ne
enou
neap
cepti
the e
culin
heare
pers,
here?
never
least

"Sc
Paul
and
meet
—ver

"W
gener
denti

"It
swere
don't
cultie
did w
one e
pect
and s
fied.
denti

Just frankly. "It sounds terribly silly, but honestly I think most of those women simply thought it more thrilling to discuss their dental troubles with a man. In fact, I think this fancy on the part of so many women handicaps a woman dentist more than does anything else."

In answer to my query as to how her colleagues accepted her, she replied promptly, "Not too well, at first. During the early months of my career Doctor Hulda Berger, another Minnesota graduate, who is now practicing in New York, and I summoned up enough courage to attend a Minneapolis district meeting. The reception was terrific! Throughout the entire meeting, a gruff masculine voice behind us could be heard demanding in stage whispers, 'Who let those women in here?' It embarrassed us so, we never went there any more, at least not for a long, long time."

"Somehow or other, the Saint Paul society heard of our plight, and invited us to attend their meetings. And we did, for years—very gratefully."

"What do you think is the general attitude toward a woman dentist today?"

"It is hard for me to say," answered Doctor Just. "Naturally I don't encounter the same difficulties in my own office that I did when I was working for someone else. My women patients expect to find just me in the office, and seem to be very well satisfied. Those who prefer a man dentist go somewhere else. And

I sincerely try at all times to display a friendly interest in their problems that will help to counter-balance the rugged charms of my masculine competitors."

"But doesn't this attraction work vice-versa? Aren't there any men who prefer the soft touch of a woman dentist?"

"Not as far as I can see," said Doctor Just frankly. "My men patients are staidly dignified individuals, who dutifully come up to me because their wives tell them to. The fact that I'm a woman doesn't seem to bother them a bit one way or the other."

It was with evident disappointment that I learned that Doctor Just's marriage was *not* the culmination of a dentist-patient romance. Truth in so many cases falls short of fiction. To console me, Doctor Just informed me that she was away from the office just one month at the time her baby was born, and that all of her patients were terribly surprised to hear of the event.

This baby, now a ten-year-old boy, has no desire to follow in his mother's white oxfords, but at present has decided leanings toward an electrical engineering career. He is the main reason why Doctor Just combined her home and office eight years ago.

"Would you advise young women to go into dentistry?" I asked.

"Of course, if they are reasonably sure they can be happy in the profession."

"Almost everyone acknowledges the fact," I added, "that a

pretty face and a slim ankle are decided assets for any girl who is carving out a business career. Do you think these attributes are at all necessary or helpful to a woman in dentistry?"

"Not especially," answered Doctor Just. "Many women like doing business with good-looking men. But did you ever hear of one going out of her way to look up a beautiful woman?"

"But what about the men?" I asked. "Surely they prefer pulchritude."

"Not when it comes to dentistry," objected Doctor Just. "A steady hand and calm nerves look best to them! In fact, a woman dentist should at all times lean backwards in her effort to keep her business and professional standards at their highest. Friendly and gracious she can be

—of course. Coy and flirtatious—Heaven forbid! And I am afraid the wives would have something to say about their husbands skipping off to a too alluring dentist."

"What chance of success do you hold out for a girl just entering dentistry?"

"If she decides to specialize in children's dentistry, she may go far. If she goes into general practice, and is capable and charming, has perseverance, pluck, and ability, she is fairly certain of retaining a steady flow of both men and women patients."

"Just one question more—Do any of your patients come to you simply because you are a woman dentist?"

"A lot come in spite of the fact," laughed Doctor Just.

4109-13 Avenue, South
Minneapolis, Minnesota

ATTENTION DENTISTS!

HAVE YOU RECEIVED your questionnaire on dental preparedness from the American Dental Association? If not, write for it *today*. If you have received it, be sure to fill it out and return at once to the Committee on Dental Preparedness, American Dental Association, 212 East Superior Street, Chicago. Whether you are a member or a non-member of the American Dental Association, this is your opportunity to aid in the national defense program of your country and to become a part of the permanent directory of dentists to be published by the American Dental Association.

ON M
Amer
far b
group
on loc
fluenc
They
strict
combi
eratel
As I
to Par
tion o
cussed
with
was i
well-a
centra
dinos
dian b
and C
nume
the m
tries.
any, a
to brin
dians
classes
Amo
San S
is gre
trainin

Kallent
South o
(August
America
ber) 194

You Can Help Our Neighbors To The South

by TRAVIS E. KALLENBACH, D.D.S.

ON MY AIRPLANE tour of Central America,¹ I had not penetrated far before I realized that many groups of natives are dependent on local habitat which is little influenced by imports and exports. They show the effect of a restricted and so-called natural diet combined with primitive or moderately civilized customs.

As I travelled from Guatemala to Panama, I observed the condition of many natives and discussed their habits and foods with physicians and dentists. I was interested not only in the well-adjusted Indians common to central Guatemala and the ladinos of mixed Spanish and Indian blood typical of El Salvador and Costa Rica, but also in the numerous Indians who constitute the masses in all of these countries. I wanted to know what, if any, attempts were being made to bring dental care to these Indians as well as to the upper classes.

Among Castilian families in San Salvador I found that there is great pride in professional training. Most of them are anx-

ious to have their sons enter the professions either of medicine, dentistry, or law. This undoubtedly accounts for the fact that there are more dentists in proportion to the population in San Salvador than in other Central American cities. Young men have been in the habit of going to Europe and the United States to obtain dental degrees. The two institutions to which, I was told, most of them go in the United States are the University of California in Los Angeles and the University of Pennsylvania. Despite its distance, the University of Pennsylvania has become well-known to the people of San Salvador, because of the archeologists it has sent down to investigate Mayan ruins.

In San Salvador they have a well-established dental society, which meets regularly, and I regretted that I could not wait over for the next meeting, which I was invited to attend. But I did make some informal queries among dentists about their practice in El Salvador. I learned that dental service is mainly for the upper classes, who are the only ones that can afford treatment with any regularity. Indians come into towns occasionally for extrac-

¹Kallenbach, T. E.: A Dentist Looks South of the Border, *ORAL HYGIENE* 30:943 (August) 1940. Flying Over Central America, *ORAL HYGIENE* 30:1079 (September) 1940.

tions and to get relief from toothaches, but there is no effort being made to bring dental care to them. I saw no evidence of clinics or any attempt by use of government funds to correct the dental conditions of the Indians.

Much of the dental service given is certainly inferior. Even in the dental service given to the upper classes in San Salvador there is much room for development. From my inquiries I received information indicating that dental methods we discarded years ago are being used there. Gutta-percha is the common root canal filling and even mummifying fillings are still used. One of the dentists became interested in a

modern material (neo-balsam) which I suggested for this purpose. Since my return I have had samples of this product sent to him and I am expecting a report on what success he has had with it. It seems to me that it is important for dentists in this country to devise ways of getting their colleagues in Central America interested in the recent developments in dental materials and

Rather than sending an army to Central America to protect our interests, Doctor Kallenbach suggests this means of implementing the Good Neighbor policy: "It seems to me that it is important for dentists in this country to devise ways of getting their colleagues in Central America interested in the recent developments in dental materials and methods, as a means of helping them to improve the quality of their dentistry."

methods, as a means of helping them to improve the quality of their dentistry. There is also a serious lack of X-ray equipment, which means that a tooth may be abscessed many years without the condition being discovered. The toothache, then, becomes the chief concern as a means of indicating needed dental service.







Because North Americans are by nature more aggressive than Central Americans, I do not believe that an increase in the number of dentists from the United States would be welcomed. The best means of aiding dentistry there, in my opinion, would be by our cooperating with their associations and exchanging lecturers and clinicians as

soon and as frequently as possible.

In Guatemala City I inspected a motorized clinic that is designed to give free dental service to Indians. But I did not consider the equipment adequate and, from what I understand about the mountain roads in Guatemala, I do not believe it would be possible to reach with motor equipment many of the Indians who live in the highlands away from the

CHART I

CENTRAL AMERICAN FRUITS

FRUIT	DESCRIPTION	HOW SERVED
 AVOCADOS	pear-shaped, 1-1½ lb. each rough green skin soft, creamy pulp	raw — seasonings may be added cooked — sauted or mixed with other starchy foods
 BREADFRUIT	ovoid shaped, like a man's head or elongated 8 inches or more in length rind—thick, greenish pulp — solid, white, starchy mass	peeled, wrapped in leaves and roasted, sliced ground into flour for batters
 MANGOES	small, elongated melon single large seed yellow-red pulp—soft and juicy with spicy flavor poorer types—fibrous, bitter	raw—golden variety cooked—yellow variety
 PAPAYA	tree melon, oval pulp like cantaloupe in texture and flavor contains papain, a digestive enzyme	raw—ripe cooked — slightly green for preserves
 PLANTAIN	large banana-like fruit globes are 12 or more inches long pulp is rich and creamy	not eaten raw stages: green—fried chips, soups, stews yellow — boiled, baked black (ripe)—sauted
 SAPODILLA-PLUM	fruit of tree yielding chicle (for gum) round, brownish skinned like a russet apple soft pulp, granular and sweet	must be ripe raw

central road for motor traffic.

As an example of the casual type of dentistry that is being practiced in parts of Mexico, I recall a dental office in the town of Minatitlan. From the window in the so-called hotel where I stayed, I could look across the street and watch a dentist in an opposite office at his work. He kept up a running conversation with people who came along the street outside his window. And every few minutes he would lean out and punctuate some particularly good remark with the flourish of a dental instrument. It was obvious to me that the dental service was being given without any concern either for hygiene or privacy. In larger cities of Central America, however, I saw dental offices that offered the utmost privacy, as they overlooked flowered patios in a central court shut off from the streets.

Better dental offices and higher types of service will not, of course, take care of the entire dental problem in Central America. There is much more to it than that. The economic standards, the characteristics of the natives, their living conditions, and the type of diet to which they are accustomed must all be given serious consideration.

Native Types

The majority of the Central American natives I saw were small of stature though well built. Their muscular development was excellent as evidenced by their poise and strength. In Guatemala,

for instance, the familiar sight of women carrying huge, well-filled baskets on their heads and of men with *tampinos* (head-bands) holding heavy loads on their backs astonishes any "well-nourished" Northerner. Despite this apparent stamina, old age overtakes them early. I saw natives in their thirties who appeared shriveled, withered, and decrepit. Their teeth were rough, worn down, and broken.

The capital cities, centers of government and business, in Central America are controlled largely by the minority class of whites—native and foreign. But Indians have also followed the trend of "civilization." As a result, slum areas with unbelievably sordid living conditions have developed. The dominating class which, at least in attitude, is aristocratic, lives on the upper levels in attractive homes with modern conveniences. The poor natives are crowded into badly constructed houses and flats built at lower levels. Many times I saw open streams, which carry sewage from the dwellings above, being utilized for the family washing and bathing. Ever-present buzzards gave proof of the filth in the water where I saw a group of women kneeling on the stones rubbing clothes and children paddling gaily about waiting for their garments to dry.

After such scenes it was easy for me to understand why the physicians with whom I enjoyed a picnic one Sunday in San Salvador were mainly concerned with



CHART II

SOURCES OF FOOD CONSTITUENTS IN CENTRAL AMERICAN DIETS

CARBOHY- DRATE	FAT	PROTEIN & PHOSPHORUS	CALCIUM	IRON
maize	avocados	frijoles (beans)?	soft bones	beans
rice	cocoanuts	maize	? animal blood	avocados
beans	meat	fish		bananas
breadfruit	fish	wild turkey		? livers
cassava		wild pig		? eggs
plantain		iguana		
bananas		chickens		
		wild fowl		
		sand crabs		

? Possible source, but extent of utilization not known.

CAROTENE (Vitamin A)	THIAMIN (Vitamin B ₁)	ASCORBIC ACID (Vitamin C)	RIBOFLAVIN
maize	frijoles	pineapples	frijoles
avocados	maize	bananas	maize
*mangoes	avocados	avocados	avocados
	*wild pig	other raw fruits:	*livers
		*mangoes	*glandular organs
		*papaya	
		*sapodilla- plum	

* Classification based upon relationship to other food
of similar type; analyses have not been reported.



treatment of malaria, dysentery, typhoid fever, and tuberculosis. I learned from them, however, that little preventive work is being done. The attitude of indifference, which seems characteristic of the economically comfortable residents, may be one of defense. Improvement of conditions would require money and governmental control in amount and degree which appear well-nigh fantastic to any Central American. Demands are not great and progress in medicine and dentistry has thus not been stimulated.

Much has been written about the conquest of the tropics since the improvements made in the Canal Zone and Nicaragua by the United States Government and the Army. Some extension of such work has resulted in construction of hospitals and sanitariums in several countries. Unfortunately, most of the Indians are not aided by these facilities, either because of prejudices or lack of funds. Such institutions are powerless against spread of disease when there are no means of indoctrinating the masses with principles of hygiene. It is this lack of adequate and sympathetic education, which leaves the great majority of the populace incapable of appreciating their own needs.

Though the most obvious deficiencies are concerned with sanitation, there are doubtless nutritional ones as well. The workers of the coffee-growing regions use rice, corn and frijoles (beans) as staples. These they re-

ceive as rations for their work or are given plots of ground for producing them. Because of the ubiquitous amoeba, other vegetables are not cultivated. Tropical fruits, such as those shown in Chart I, I saw in every locality. These constitute a large portion of the diet for some groups. The amount of animal food used depends upon locality, ability to buy, or habits of the people. Fish are, of course, available in mountain streams. I saw natives gathering sand-crabs by the sackful as they crawled over the swampy land near Colon, Panama. Milk and eggs are unknown to the majority of inhabitants. Their distribution would, of course, increase the need for refrigeration and proper storage. In the San Blas region in lower Panama cows would not be recognized, but wild pigs are as commonly eaten as fish and fowl. Judged on the basis of the composition of available foods, the limitations of the native diets throughout Central America, as indicated in Chart II, are so apparent that it is surprising that the Indians develop as they do.

A realization of the needs of Central Americans should be of more than academic interest to other Americans. As true neighbors we will want to know what they eat and how they live. Then, as trade agreements are extended, it might be expected that the exchange would send them foods needed to supply their deficiencies and not simply more cereals in attractive packages. Likewise, their sanitary needs should be

Nov
taken
the e
not
debte
hygie
racy
"hors
to con
the m
follow

Ohio
land F
Gren
Decem
Pan
Wedne
City.
Dent
cago, I
The
min Fr
Chic
Februa
Alaba
wiler H
Louis
Rooseve
New
Cartere
Tenne
ing, Hot
The D
Statler,
Georg
Hotel D

taken seriously so that more of the expensive paving of roads will not further increase their indebtedness without improving hygiene. As citizens of a democracy which has passed beyond its "horse and buggy" days, we need to consider the point of view of the masses who still spend days following artistically decorated

ox-carts that carry their small loads to market. As individuals, I am sure that each of the readers of ORAL HYGIENE will enjoy and profit by further acquaintance, either direct or indirect, with our southern neighbors.

714 Beaumont Medical Building
Saint Louis, Missouri

DENTAL MEETING DATES

Ohio State Dental Society, seventy-fifth annual meeting, Netherland Plaza Hotel, Cincinnati, November 25-27.

Greater New York Meeting, Hotel Pennsylvania, New York City, December 2-6.

Pan American Odontological Association, fourth annual meeting, Wednesday evening, December 4, at Hotel Pennsylvania, New York City.

Dental Protective Association, annual meeting, Palmer House, Chicago, December 16.

The Greater Philadelphia Dental Society, annual meeting, Benjamin Franklin Hotel, Philadelphia, February 4-7, 1941.

Chicago Dental Society, Midwinter meeting, Stevens Hotel, Chicago, February 17-20, 1941.

Alabama Dental Association, seventy-second annual meeting, Tutwiler Hotel, Birmingham, April 8-10, 1941.

Louisiana State Dental Society, sixty-first annual meeting, Hotel Roosevelt, New Orleans, May 1-3, 1941.

New Jersey State Dental Association, annual meeting, Berkeley-Carteret Hotel, Asbury Park, May 7-9, 1941.

Tennessee State Dental Association, seventy-fourth annual meeting, Hotel Andrew Johnson, Knoxville, May 12-15, 1941.

The Dental Society of the State of New York, annual meeting, Hotel Statler, Buffalo, May 13-16, 1941.

Georgia State Dental Association, seventy-third annual meeting, Hotel DeSoto, Savannah, May 19-21, 1941.

CITY DENTIST IS A COUNTRY SUCCESS

by WALTER RUDOLPH

SIX YEARS AGO last May, Doctor Harold G. Hood, one of the most successful dentists in Cleveland, announced that he was about to close his city office and move to the country.

Courage? It took a lot of it. Here was a dentist, fully possessed of his wits, intentionally turning his back on one of the best practices in the state of Ohio. He bought a fine farm and house near Miller's Station, about four miles from Cambridge Springs, which is twenty-five miles south of Erie, Pennsylvania. Yes, a real farm, with a dirt road in front of it. Then he packed up his modern dental office, shipped it almost intact, and set it down in the new "office building," the farm house, remodeled under the discriminating eyes of the dentist and his wife. That took nerve for, what was coming next? Would there be a dental practice, a living, in these new surroundings?

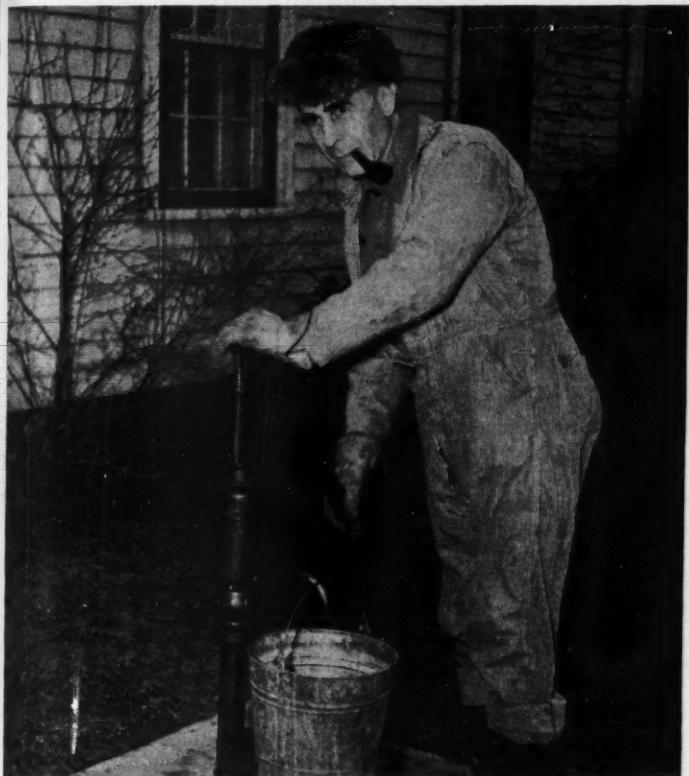
The patients came. Slowly at first, and properly amazed to find a city dental office, with attendant equipment, all sanitary and modern in a farm house! Today the whole setup is taken for granted, and Doctor Hood's appointment book is heavy with dates and work to be done. And

it is not just the surrounding country neighbors who trek to his office, but old patients, people who know him and his work, drive to Doctor Hood's dental office from Cleveland and adjacent points. They take rooms in the hotels in Cambridge Springs and await their turns.

The success of Doctor Hood's venture, daring and original, proves him to be one of the most skillful and modern dentists in the United States. Every year he takes a month off to attend the American Dental convention and various clinics throughout the country where he studies new or improved dental procedures.

The Hoods love the reality of their dream! If you should visit the farm and walk with the cheery dentist into his barn, he would show you a pair of fine saddle horses, cows, sheep, a small herd of white-pollled cattle, and chickens. Walk past the barn and you are on the banks of the quiet, romantic French Creek. Look across the fields and you can see the little church at Miller's Station, where the Hoods worship on Sundays and where Doctor Hood frequently plays his violin with the choir.

It must be fun to watch the



(Photograph by Lou Moore, Erie, Pennsylvania.)

Doctor Hood at the barnyard pump gets ready to water his fine stock.

dentist turn into a farmer; quick as lightning, the white dentist's uniform is doffed at the end of the day's professional duties. On go the coonskin cap, rubber boots and overalls that mark the farm worker—and Doctor Hood is off to tussle with the family pump and water buckets to water his stock. Mrs. Hood enjoys it all too, and would not return to the city for anything. Their son Jack

graduated from high school this June, and that rounds out the family happiness.

Of course, Doctor Hood is still the true dentist—a light burns all night by the farm-house door, illuminating a sign, and the city dentist who made good in the country follows steadfastly the rule that he will relieve suffering any hour, day or night.

616 Holland St., Erie, Pennsylvania.

Do You Charge For Examination and Treatment?

by PHILIP WEINTRAUB, D.D.S.

CERTAINLY THE INFORMATION I have at hand shows that most of the dentists in this land do not ask fees for examination as well as treatment. From my point of view, however, dentistry is a business, and it should be treated as such. And business cannot be founded on "free" work and succeed.

A large number of newspapers recently published advertisements signed by H. F. Sinclair concerning Sinclair Gas. The price was to be boosted a certain amount per gallon after a local gasoline trade "war." The reason was that the company felt that it was entitled to earn a profit and that the American public approved sensible business operations. Furthermore, a profit must be made if a company is to exist and serve the public.

One thing is still true in dentistry as in every other field of endeavor: you must get paid for what you deliver, or you don't stay in business. If something is worth a dollar, you can get two—for a while, but not forever. On the other hand, if something is worth \$2.00, you can sell it for \$1.00, but not for long—you will not remain in business very long.

The average dentist does not

have the funds to permit his practice to operate at a loss—since the very nature of dentistry is such as to forbid unbusiness-like methods. What you lose today on one restoration is seldom, if ever, made up on another restoration for the same patient—what is lost is a permanent loss. There is never enough "repeat business" in dentistry to permit operations along the lines employed by various merchandising concerns that may take a loss on one item and make it up on another.

I have received a fine letter from a brother "Ham"¹ who is also a dentist. At this moment he is on the high seas somewhere in the world. At the time he wrote his letter he was located in Southampton. Although he is now acting as a radio operator on an English boat, he had spent a number of years as a dentist in Great Britain. His comments are interesting and his philosophy sound.

To start with, what seem to be problems of dentistry are apparently not indigenous to the "States." They also exist in foreign lands and are of the same

¹Weintraub, Philip: The Curing of a Ham, ORAL HYGIENE 29:673 (June) 1938.

character. While it is true that the essence of Doctor Laird's letter covers the collection of fees problem, certain references to free services seem to me to be of major import. I hope that he will forgive the dismissal of his comments concerning collections. I feel that another part of his letter means much more to the welfare of the American dentist.

Code of Ethics

My friend's letter closes with what is equivalent to his code of ethics, namely,

Serve yourself—*First*.

Serve the public—*Second*.

But serve both equally well.

It might appear as if these words express a selfish point of view, yet is that really so? I think the man is right. Maybe our approval will go against the grain of some of the idealists—of some of the men who feel that dentistry is an ideal—that people must do their best for the glory that follows—

My friend from the land of Robin Hood talks sense. We can be true to those we serve, be honest, be sincere—but why at a financial loss? If we don't serve ourselves first, we will be incapable of serving others. We just will not be there to serve the others. The cowboy who feeds his horse first does so because the animal is vital to his very existence. Of course, there is love between the man and the beast but, without the horse, the rider might not exist. Hence, that which is being

done for the horse is being done for the rider as well.

The American dentist has been serving the public first. In fact, the American dentist has been paying for the health of the public. He has been serving the public, but not himself.

There is little glory in dentistry. It is a profession and a business and it must be treated as such. So far as glory is concerned, one can't forget the well-known quotation by Gray, "The paths of glory lead but to the grave." Is a dentist dishonest who says that he comes first, and then his public? Perhaps the word "dishonest" is not the correct one but it has been used. My point of view is the contrary and coincides with that of Doctor Laird. So long as the dentist serves his public honestly and fairly, he is a sucker unless he looks out for the first person first.

Did you ever read a real estate lease; the kind signed by a tenant when he rents a new apartment? You as the tenant give up everything but the air you breathe. You promise to abide by every imaginable regulation set forth

"The American dentist has been serving the public first. In fact, the American dentist has been paying for the health of the public. He has been serving the public, but not himself," says Doctor Philip Weintraub.

by the landlord. He, on the other hand, agrees to very little. Yet the public has become accustomed to signing these leases and they do so daily.

Don't for a moment think that I am recommending a single thing that is contrary to the welfare of dentistry. Neither do I think that Doctor Laird took advantage of his patients when he practiced the philosophy set forth in the beginning of this article and said frankly that he charges a fee both for treatments and examination.

Dentists often speak to me about the patient's initial lack of confidence as one reason why they make no charge for diagnosis and minor treatment. Operating at a loss or on a non-profit basis most certainly is no way to gain that patient's confidence.

Public confidence depends upon rendering proper service. Other dentists say that dentistry can be had if fees are low. There is much truth in that, but there is an irreducible minimum for fees for treatments and examination—and that limit is the complete absence of profit. Operating at a loss is past the common sense irreducible minimum. There can be no benevolent generosity when practicing a profession or running a business. This is not being hard-boiled, it is simply realization of what the requirements are for normal sane living. In a highly competitive world, there is a paramount requirement of serving oneself first, then the others, but all equally well.

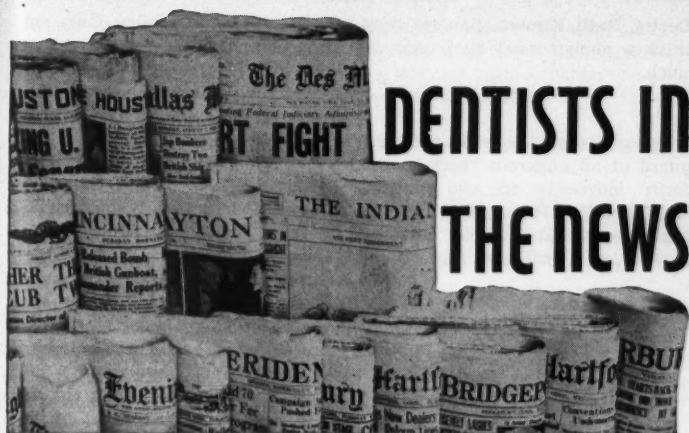
3860 Harrison Street
Chicago, Illinois

CHANGE OF ADDRESS

ORAL HYGIENE will be grateful to readers who change their addresses if they will send both the old and the new address. Please also allow at least two weeks for an address change to become effective. Mailing wrappers are of necessity addressed two weeks or more prior to the publication date; hence when your address change reaches us late in the month preceding publication it is often impossible to make it effective before the second month following.

THE COVER

ORAL HYGIENE's cover this month is dedicated to the Greater New York meeting, which will be held at Hotel Pennsylvania, December second to sixth. The Kodachrome, an unusual shot taken on the waterfront, is the work of Oral Hygiene's photographer, Homer Sterling.



DENTISTS IN THE NEWS

Philadelphia (Pennsylvania) Inquirer: Repeated searchings and thirteen hours of questioning during two days of detention in Spain were reported by Doctor James V. Sparks when he arrived in Lisbon, Portugal, with his wife and twenty members of the section of the American Volunteer Ambulance Corps, which he headed in France. "They wanted information about French military factories but got nothing," Doctor Sparks, who is a former commander of the Paris Post of the American Legion, reported.

"We were arrested and I was separated from my wife soon after we arrived at Port Bou. They kept us in prison under armed escort in a large, cold room. All the time we had no blankets and slept on a cement floor with nothing to eat but potatoes. At three o'clock in the morning, my wife was told to leave Spain within twelve hours and she hadn't a cent. British Consul Whitfield, although ill, rushed to the station, gave her money, and wired American authorities at Barcelona, where Consul

William George was most helpful."

Doctor Sparks said that after his party had been subjected to the "third-degree" questioning without results, they were taken to Barcelona and later escorted to the Portugal border by military authorities, preparatory to sailing for the United States. Doctor Sparks is a former Indianapolis dentist.

Columbus (Ohio) Citizen: Mrs. Ruth Kirsten, now a dentist, was once a school teacher. The change in her profession was the result of her husband, a wounded world-war veteran, deciding to take up the practice of dentistry at the age of 37. Just to have something to do she entered Ohio State University and took a masters degree in English, while her husband began his six-year course in dentistry in the same institution. Then she turned to dentistry and, when they had both graduated, they opened an office at One South Fourth Street, Columbus, in 1935. They have found that many child patients prefer

Doctor Ruth Kirsten, because they think a woman won't hurt them so much.

Dallas (Texas) News: In the vanguard of an apparent "back to the farm" movement are two dentists, H. W. and Carl Hoffer, who are leaving well-established dental practices to live on a 720-acre ranch near



Kemp, Texas. They plan to make it a great Hereford stock farm and are building barns, sheds, granaries, a silo, and a modern bungalow. Doctor Carl Hoffer is a resident of Nashville, Tennessee, where he formerly was a member of the faculty of Vanderbilt University. He now is a visiting member of the faculty of the University of Saint Louis and is much sought after by dental societies as an authoritative lecturer on pyorrhea and ceramics.

San Francisco (California) Call-Bulletin: California will soon have the most extensive motorized dental service in the United States, with seven travelling trailers set up as dental offices, according to Doctor Bertram P. Brown, State Health Director. Two of these are already in service in Orange and Yolo Counties, where county governments have contributed funds to augment those available from the Federal Government for the maternal and child health program. Some 7025 children have been examined and given the

necessary dental service. Only children and expectant mothers are eligible for the free dental treatments under the present set up.

Frankfort (Indiana) Times: C. W. Jenkins, a local dentist, believes he has been victimized. Some time ago, a man giving his name as Carl George, his address as 417 Cherry Street, Terre Haute, Indiana, and his business as a dental repair man, visited his office. Doctor Jenkins gave him a quantity of dental equipment to be repaired. When nothing more was heard from the man, the dentist started an investigation. The Terre Haute police say the Cherry Street address is a residential hotel and that no man by that name or description is known there.

New York (New York) Daily News: Two holdup men who pretended to seek his professional services, but who actually wanted his money, escaped from the office of Doctor Irwin W. Lowitt, 37, a dentist at 6900 Fort Hamilton Parkway, with \$100 in cash and \$200 in dental gold. Doctor Lowitt was alone in his office on the second floor at 2:30 p.m. when two men, each about 30, entered. One held a small



towel to the side of his face; the other said it was because he had a toothache. The dentist led them to his inner office and told the supposed patient to sit in the dental chair. Instead, his companion pulled out a gun and said to the dentist, "No, you sit in

the chair." Doctor Lowitt did so. The thieves relieved him of \$100 they found in his pockets and then ransacked the office for the gold. After gagging the dentist and tying him to the chair with towels, they departed in a leisurely fashion before the police could be called.

This month's awards for stories submitted to DENTISTS IN THE NEWS go to:

MANDEL BERGMAN, D.D.S., 1417 Avenue K, Brooklyn, New York.

MISS SHIRLEY BINDER, 1809 North Thirteenth Street, Philadelphia.

CAN YOU USE A DOLLAR?

TO EVERY READER who contributes a newsworthy item, something unusual about a dentist, *which is published in this department*, we will send promptly a crisp, new one dollar bill. Every clipping must be taken from a newspaper and carry the name of the publication and the date line. Clippings submitted cannot be returned. When more than one copy of a clipping is submitted, the first one received will be used. Send all items to: Dentists in the News, ORAL HYGIENE, 708 Church Street, Evanston, Illinois.

STATE BOARD MEETINGS

The Connecticut Dental Commission, regular meeting, Hartford, November 19-24. Applications should be filed at least ten days prior to examination. For information write to C. G. Brooks, D.D.S., New London, Connecticut.

California State Board of Dental Examiners, next regular meeting, College of Physicians and Surgeons in San Francisco, week of December 16. Also at the University of California, College of Dentistry, during the same week. Applications must be filed at least 20 days prior to date of examination. For information write to Kenneth I. Nesbitt, D.D.S., 515 Van Ness Avenue, San Francisco.

New Jersey State Board of Dental Examiners, next regular meeting, week of December 9. Applications must be filed with the examination fee of \$25.00 with the secretary, Walter A. Wilson, D.D.S., 148 West State Street, Trenton.

EDITORIAL COMMENT

GIVE ME THE LIBERTY TO KNOW, TO UTTER, AND TO
ARGUE FREELY ACCORDING TO MY CONSCIENCE
ABOVE ALL LIBERTIES. *John Milton*

Tomorrow May Be Too Late

THESE ARE NOT gay thoughts expressed in this column this gray November. Around us everywhere are young men preparing for a life of military service. Even the oldest among them are too young to remember, except from the vagueness of their early teens, what it means when a country prepares for war. For all of them war is a new experience. No one who loves this country says that we should not make these preparations. There is no other course that can be ours. These preparations carry deep implications that burrow into the lives of everyone in this land. No one can be too young or too old to escape. National life on every level and family life in every home, the whole man and all his surroundings, become a concern of the state. What he eats, what he wears, how he lives—all cease to be affairs of individual concern and become the vital concerns of the government. Training to bear arms is more than drill formations and skills with armaments. The lives of 16,000,000 men now come under the direct scrutiny and control of government. The lives of other millions will be deeply affected. The way of American life will be completely changed for all time.

Soft living, flabby bodies, smug indifference, destroyed France, not superior armament. The authority for this observation is the first rank biologist, Alexis Carrel, who witnessed the collapse of the French Republic. We can save ourselves from this fate only by great self-discipline and by the force of unity and energy as a nation. Everyone will be required to make sacrifices. We dentists will be expected to make ours. Some of us will be torn from practice to enter military life. Others will make their contributions at home. Protestations from the unwilling and selfish will make no impression. Every man will be expected to do some job to pay for his past freedom and to insure his future freedom. No group in the population has a greater opportunity to be of service than has ours. Something like 4,000,000 of the 16,000,000

registrants will be rejected for dental defects. Many of these young men can be quickly and completely rehabilitated for service by us. We alone can do this job. Some of this reclamation will be done by the greatly expanded Dental Corps in the Army and Navy, but the greatest job will fall upon us who serve at home.

How shall we undertake this vast assignment? Can we expect the conscript to pay for the service from his own pocket? How much of the job can we afford to do as our contribution to national defense? What part and what payment should be made by the federal government? The time is short for us to answer these questions. We cannot meet and debate and meet and debate too long. Action will be expected from us. Whatever course we take we should have an eye to the long future. From the pattern that we fashion now the form of future dental practice in the United States will be cut. Although the dental requirements for military service are not particularly severe, we cannot undertake the services for all conscripts on a strictly gratuitous and volunteer basis. By so doing the burden would fall too heavily on some dentists and too lightly on the shirkers. We would prefer a volunteer and voluntary system on the part of dentists who would devote part of their time to caring for the draftees. But if such a system does not work, we can expect the government to draft us for compulsory dental duty. And should the government inaugurate a system of payment or part-payment, we should never forget that whatever form it takes will be the model for future socialized dental practice throughout the nation and throughout the years.

Our professional organizations will be asked by our government to aid in this vast undertaking. There will be no time for protracted debates and no place for dental society politics. We will be given a reasonable time by our government to plan the job and then to do it. If our vision is short, our selfishness preeminent, or our energies scant, the government will tell us what should be done. Our voluntary opportunities will then be gone and compulsion will ever after be our lot. Tomorrow may be too late!

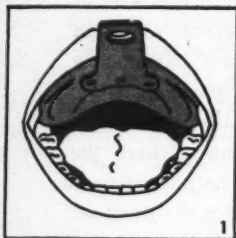
Edward J. Ryan

TECHNIQUE OF THE MONTH

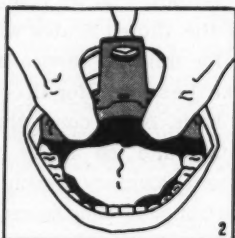
by W. EARLE CRAIG, D.D.S.

If you are interested in a particular technique and would like to have it included in this series, please write to the author at 1005 Liberty Avenue, Pittsburgh, Pennsylvania.

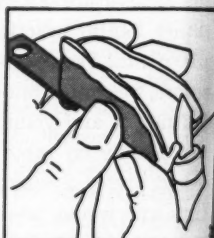
An Upper Impression Technique



Use a stock tray and trim the tray so that it does not impinge on tissue.



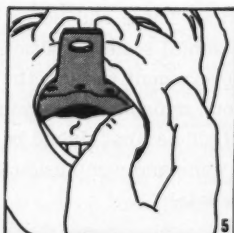
Use white compound for snap impression.



Trim impression all along periphery and the posterior area. Trim so that there is plenty of muscle freedom.



Correct impression by use of green compound sticks. Correct palate and one side first. Do not apply any green compound on ridge.



Pull cheeks for muscle correction. Apply green compound on other side. Make correction. Post dam.



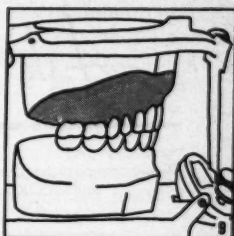
Box in with paper that has adhesive on one side. Pour stone model.



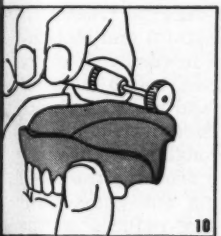
Adapt hard base plate to model. Fold over excess so that base plate is double thickness $\frac{1}{4}$ " all around the rim.



Cut an extra piece of hard base plate $\frac{1}{2}$ " wide and strengthen posterior border.



Secure bite in usual manner and set up teeth.



Set up complete. Try in mouth. Trim base plate to exact height you want finished denture.



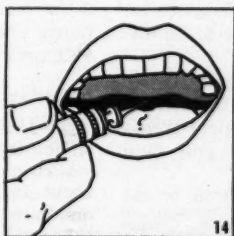
If base plate does not contact tissue at all points, use carding wax melted to a liquid and applied with a brush to the areas needing correction. Correct post dam with carding wax.



Try in mouth. Caution: Watch that you do not get a protruded bite.



that final correction. Melt Kerr's yellow impression wax. Melt in spoon and apply with a brush to all areas except in hard areas where you need relief.



Do not heat or dip in hot water, but carry to mouth. This wax flows at body temperature. After wax has a chance to flow—cool with ice water and remove by air



Pour model immediately.

from syringe applied to post dam area. Caution: Watch that you do not get a protruded bite.

Ask ORAL HYGIENE

Please communicate directly with the Department Editors, V. CLYDE SMEDLEY, D.D.S., and GEORGE R. WARNER, M.D., D.D.S., 1206 Republic Building, Denver, Colorado, enclosing postage for a personal reply. Material of general interest will be published each month.

Pyorrhea

Q.—I read with interest ASK ORAL HYGIENE. It certainly contains much valuable and worth-while information.

What do you consider the most successful method of treating pyorrhea among the various procedures now in use?

A.—Can you give me the formula for a preparation to seal medicaments in the gums that will set like flexible collodion but that does not have an objectionable odor?—I. R. E., California.

A.—It is held¹ that the elimination of the pocket in pyorrhea is the one great essential in its successful treatment.

Whether the pocket is eliminated by subgingival curettage or by surgical means depends on the opinion of the individual operator.

T. Sydney Smith² and Austin T. James³, two eminent authorities, hold for non-surgical treatment. Frank Kaiser⁴ and Olin

Kirkland⁵, also eminent authorities, are more inclined to the surgical treatment.

In the non-surgical treatment one must be skillful and meticulously careful in removing every speck of deposit, rough edges of restorations, and must eliminate traumatism. Moreover, one must have the thorough cooperation of the patient in brushing the teeth and massaging the gums until the pockets are reduced to the point where there will be no pus. This is the plan we follow and, we believe, with rather good results.

There is a foil known as Burlew Dry Foil, which is handled by all dental supply houses and which it is claimed seals for several hours and has no taste or odor. —GEORGE R. WARNER.

Pulp Hyperemia

Q.—I shall appreciate suggestions on how to handle the following case:

I have a young woman patient, about 16, for whom I placed five amalgam restorations in the posterior teeth about five months ago. The cavities were not as deep as average, yet since placing the restorations she has had continuous

¹Coolidge, E. D.: Elimination of the Periodontal Pocket in the Treatment of Pyorrhea, J. A. D. A. & Den. Cosmos 25:1627 (October) 1938.

²Smith, T. S.: Constructive Treatment of Diseased Parodontal Tissues, J. A. D. A. 22:1477 (September) 1935.

³James, A. F.: Conservative Treatment of Periodontal Diseases, J. A. D. A. 20:991 (June) 1933.

⁴Kaiser, F. S.: The Surgical Treatment of Pyorrhea Alveolaris, J. A. D. A. 16:1299 (July) 1929.

⁵Kirkland, Olin: Surgical Treatment of Periodontoclasia, J. A. D. A. 21:105 (January) 1934.

pain from them. About two weeks after doing the work, I removed the amalgam and replaced it with zinc oxide and eugenol, but the pain persisted. Two silicate restorations in the anteriors, which were deeper than the restorations in the posteriors, have caused no pain at any time.

If you can tell me how I may alleviate her pain, I shall appreciate it.—F. H. B., West Virginia.

A.—It would seem that you followed the usual practice in placing your amalgam restorations, but because of the age of the patient, unusually large pulps or an avitaminosis, a pulp hyperemia, supervened.

We cannot say that you would not have had this result if you had varnished the cavities, as I assume you did in the case of the silicate cement restorations, or if you had used a sedative cement lining. But, from our experience, it would seem wise at least to varnish a cavity before placing a metal restoration, especially in the teeth of young people.

You did the right thing in removing the metal restorations and placing zinc oxide and eugenol, and I cannot understand why the pain persists, except, because of a possible deficiency in the diet of vitamins, particularly Vitamin B₁.

Pulp hyperemia is sometimes caused by or persists because of malocclusion, in which case there is cuspal interference, which may amount to traumatic occlusion. Just a little polishing of cusps with garnet paper disks will often relieve the interference and, at the same time, the pulp hyperemia.

Having done the things I suggest, you may have to wait a

while for a re-establishment of normal circulation in the pulp and a return to normal of the nerves.—GEORGE R. WARNER.

Finishing Dentures

Q.—I have just started making and finishing my own dentures. After spending considerable time polishing and finishing, I find that I am not satisfied with the results.

I should appreciate it if you would tell me how I can get a nice finish in the interproximal spaces and how to polish without ruining my festooning.—H. W. F., Maryland.

A.—In order to assure a smooth polish of dentures at the necks of porcelain teeth on dentures and between the teeth, it is important to use a sharp-pointed knife or instrument and trim the vulcanite, or whatever you are using, to as smooth a surface as possible before starting to polish. Then use a narrow one or two-row brush wheel. As you no doubt know, they work best when about half worn down.

Apply fresh, wet pumice generously every half second or less and keep the denture constantly moving as you apply the brush run at high speed. Follow this with a cloth wheel and lots of wet pumice and finish with a clean, dry, fluffy cloth wheel or camel's-hair brush wheel, and wet whitening for final polish.—V. CLYDE SMEDLEY.

Flabby Tissue

Q.—I have a patient for whom I am making an upper denture. There is a piece of flabby gum extending from the median line to the cuspid region, on the right side. Would it be advisable to remove part of that gum and, if so, what would be the proper way to do it?—D. W. W., Wisconsin.

A.—A strip of flabby gum, such as you describe, can be excised with no particular difficulty with shears or lance, but this usually is not necessary if you will take sufficient pains not to displace this flabby tissue while making your impression of the mouth.—
V. CLYDE SMEDLEY.

Fluorosis

Q.—A young woman, 23, presents four upper incisors all of good shape and shade, except the right central. In the middle third of the labial surface is a circular opaque whitish patch 1.5 mm. in diameter in the center of which is a tobacco brown spot .5 mm. in diameter and a longitudinal tobacco stained crack runs through both.

The blemish is non-carious but of course attracts attention. Before I resort to the placing of a restoration, any advice you can offer will be deeply appreciated by myself and my patient.—J. A. P., New York.

A.—It would seem from the description of your case cited in your letter that you may have one tooth with fluorosis. This is most unusual as all teeth forming at the same time are ordinarily more or less affected by the fluorine in the drinking water.

In any event it could do no harm to try bleaching this brown spot with pyrozone. The tooth should be isolated with rubber dam and cotton saturated with pyrozone laid on the brown spot, then a hot spatula put on the cotton, which will drive the pyrozone into the enamel. This should be repeated three times at one sitting and it will probably take three sittings to eliminate entirely the discoloration.

The nose should be protected with a napkin while the hot

spatula is on the cotton.—GEORGE R. WARNER.

Chromic Acid

Q.—Two years ago a young lady about 26 contracted Vincent's infection. At that time she was not a patient of mine. However, she was treated before the disease had made much progress by the dentist who was then serving her. He used chromic acid and hydrogen dioxide.

The response to treatment was rather slow and stubborn. She was given the chromic acid and hydrogen dioxide and told to treat the gums herself at home. The case finally cleared up but since then the condition recurs every four to six months. This recurrence is preceded by a burning sensation in the gums; then the gums become quite sore and bleed.

When she came to me six months ago the condition did not look like Vincent's infection. I made a smear and we found the Vincent's spirillum in large numbers. I treated the case and it responded nicely.

The patient came to my office recently with another recurrence, having the same symptoms. I might add that she has a number of gingival cavities in which restorations have been placed. Also, there is a gradual disintegration of the enamel on the labial surface of the upper anteriors. For this condition she has increased her calcium-phosphorus intake and follows a dietary program. She keeps her mouth clean and is quite cooperative.

What are your ideas on the recurrence of Vincent's infection, and what form of treatment would you suggest for this type of case?—
J. H. G., Indiana.

A.—Your letter brings out the point of the danger of the use of chromic acid, if the enamel is not properly safeguarded.

Chromic acid is considered by many operators one of the best of the spirocheticides, but it must

be remembered that it is a mineral acid and dissolves enamel.

We have used chromic acid and hydrogen dioxide for years in the treatment of Vincent's infection and have never had any bad results. But we always use cotton rolls and carry the acid, not stronger than 7 per cent, carefully into the gingival crevice, taking care that it does not get on the enamel.

I feel, therefore, that the disintegration of the enamel is the result of the use of chromic acid by the patient.

We find that recurrence of Vincent's infection can be prevented if the patient does not use cigarettes, is not exposed to reinfection, has good home care of the mouth, and a thorough prophylaxis treatment every two or three months.

This regime with the good care you have already outlined ought to result in non-recurrence of the attacks.—GEORGE R. WARNER.

Hand Porte-Polisher

Q.—You remember my writing you a couple of years ago about the use of sulphuric acid to reduce sensitivity of teeth. In your reply you supposed it was on the occlusal of the posteriors. It so happened that I had used it on the anteriors where a patient had complained that the teeth felt on edge. Recently I saw an article where its use was suggested on worn occlusal surfaces of the posteriors.

I read something this morning in ORAL HYGIENE about the use of the hand porte-polisher to stimulate circulation and increase translucency in dark colored teeth.

I remember years ago hearing a periodontist, then quite prominent, say, to prove how much better a porte-polisher is than a rubber cup,

that a few strokes with the porte-polisher will massage the tooth, increase circulation, and so on. While I did not doubt the possibility of stimulation for a few moments during the action, I questioned in my mind very much the benefit that might be derived from it if done only three or four times a year.

Your article leads to this question—How much good can it really do? Isn't it virtually a hot air idea, somewhat like gilding the lily? Isn't ninety-nine and nine-tenths per cent of the effect obtained by the high polishing as practiced by Doctor James of Chicago and taught to us by Doctor Gerrish of Exeter, New Hampshire over twenty years ago?—F. W. A., Boston.

A.—Some years ago G. Aldin Mills of New York and D. D. Smith of Philadelphia had quite a discussion relative to the respective merits of the engine polishing points and the hand porte-polisher.

Just what the profession as a whole decided as to the merits of this debate I cannot say, but I am quite sure that the periodontists were largely with Doctor Smith, who defended the hand porte-polisher.

Doctor Smith gave his patients a treatment every 30 days, and it is said that his patient's teeth were the veritable pearls of the poets.

We use the hand porte-polisher almost exclusively, with the conviction that we are protecting the gingivae as we could not do with engine points. Moreover the hand porte-polisher does stimulate the circulation in the tooth and periodontium more than engine points. That the benefits of this stimulation would last over a period of from 3 to 6 months seems rather far-fetched, but these tis-

sues are benefited by the removal of concretions and débris, and we must necessarily depend on the patient keeping up beneficial stimulation from day to day.

My patients and myself who follow Doctor James' regime of brushing five minutes twice or three times each day have really clean and healthy mouths, which of course we wouldn't have if we depended on our dentists' use of the porte-polisher alone. But, to repeat, the porte-polisher leaves clean teeth and uninjured soft tissues for us to care for between the dentist's treatments.—

GEORGE R. WARNER.

Vincent's Infection

Q.—In a recent issue of ORAL HYGIENE, I noticed that you recommended the use of succinimide of mercury in the treatment of Vincent's infection. Will you please tell me where this drug may be obtained and the proper technique in using it?—M. E. T., Indiana.

A.—As to the proper technique of using succinimide of mercury for Vincent's infection and where it is obtained, I submit the following:

One jaw is blocked off thoroughly with mouth napkins or cotton rolls; the interproximal spaces are dried out and then a paste is made of the succinimide powder and water. This is pumped into the interproximal spaces with a rubber cup, the ordinary rubber polishing cup, and is allowed to remain for fifteen minutes, then the rolls are removed and the mouth is washed out. There will be a slight escharotic action from this treatment,

so it is not always possible to use it on successive days, but ordinarily the most severe case of Vincent's infection will clear up with four or five treatments.

Succinimide of mercury can be obtained from The British Drug Houses Ltd., Graham Street, London.—GEORGE R. WARNER.

Oil Solvent

Q.—In previous issues of ORAL HYGIENE you answered a few questions on removing medicinal odors from the dental office. We use oil of eucalyptus as a solvent for gutta-percha for temporary restorations. As this is our chief offender, I should greatly appreciate it, if you could suggest a substitute.—W. K. F., Illinois.

A.—I believe you will find oil of cajuput to be a more satisfactory solvent of gutta-percha than eucalyptus. By dipping a softened piece of gutta-percha or temporary stopping in oil of cajuput, you can make it adhere to the moist walls of a cavity, which has just been wiped out with cotton or bibulous paper.

We usually use sedative cement for temporary restorations. We mix some of it in the morning and keep it sealed under a watch crystal and, unless there is too much moisture in the air, it will stay plastic and ready for use all day with no delay for mixing or heating for use whenever needed. Mix a pellet of cotton with enough to fill the cavity. Moisten the cavity walls with the sedative cement liquid and insert the cement-saturated cotton. — V. CLYDE SMEDLEY.

For Acrylic and Vulcanite Partial

ANATOMICAL
CONTOUR
COMFORT

OVOID
FORM
I-BEAM
STRENGTH

JELENKO 2-SLOT PATENTED LINGUAL BAR

The Only 2-Slot Lingual Bar
on the Market



2 SLOTS
40% MORE
RETENTION

4 SIZES
EX. LONG
LONG
MEDIUM
SHORT

REINFORCING RIB
PREVENTS ROCKING

CORRUGATED ENDS
ADDED GRIP

Made in 16 kt. Solid Gold and Thrift Metal (Plat. Color, Palladium Alloy)

J. F. JELENKO & CO., INC.
Manufacturers and Refiners of Dental Gold
136 West 52nd Street New York, U. S. A.



One Negro was worrying about the chance of his being drafted for the army. The other consoled him. "There's two things that can happen, boy. You is either drafted or you ain't drafted. If you ain't, you can forget it; if you is, you still got two chances. You may be sent to the front and you may not. If you go to the front, you still got two chances, you may get shot and you may not. If you get shot, you still have two chances, you may die and you may not! And even if you die, you still has two chances."

Gazonda: "Did you ever see a company of women who were perfectly silent?"

Gazoof: "Yes, once when someone asked which of those present was the oldest."

Rich Father: "There's no sense in teaching the boy to count over 100. He can hire accountants to do his bookkeeping."

Professor: "Yes, sir, but he'll want to play his own game of golf, won't he?"

It may not be easy to see where shorthand comes into play in army life, but note.

Sergeant-Major (to a bunch of recruits): "Any of you lads know anything about shorthand?"

There was a quick response. Six of them fell out at once.

Sergeant-Major: "Righto, you lads. Well, they're short-handed in the cookhouse."

So six of them spent the morning peeling potatoes.

Outside the storm raged. The thunder rolled, and lightning flashed almost continuously. Presently a bolt struck Mr. Jones and knocked him out of bed. He arose, yawned, rubbed his eyes, and said, "All right, dear, I'll get up."

Mrs. Blub from the rural district stopped her husband at the city's busy corner.

Mrs. Blub: "Hiram, the way you stare at the legs of these shameless city hussies is something scandalous. One would think you had never seen legs before."

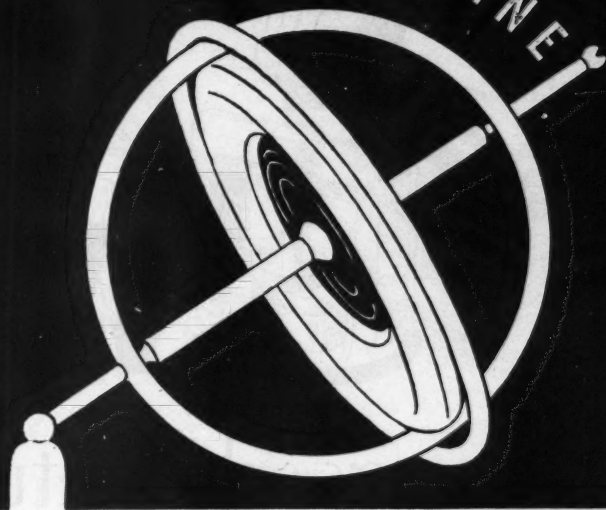
Mr. Blub: "Just what I've been thinking!"

Bookkeeper: "I'll have to have a raise, sir. There are three other companies after me."

Boss: "Is that so? What companies?"

Bookkeeper: "Light, 'phone and water."

THE BALANCED LINE



A-1

INLAYS

General Inlay Work
Melting Range: 1650-1775

B-2

BRIDGES

Abutments and Bridges
Melting Range: 1650-1755

G-3

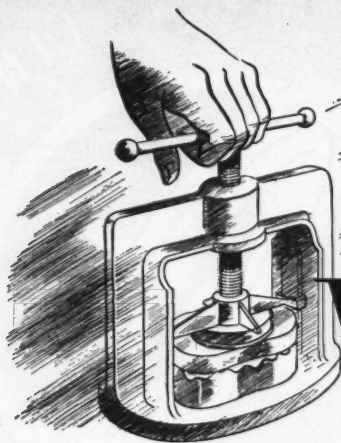
PARTIALS

Clasps and Bars
Melting Range: 1630-1740

"Gold is the keystone of successful practice—for permanence, prestige and patient satisfaction." This Balanced Line of NEY-ORO Casting Golds is uniformly priced at \$1.95 per dwt.



Established 1812



What good denture

OF COURSE, an acrylic resin denture *can* be indiscriminately made from ordinary commercial molding powder or from industrial scrap cracked up. Unfortunately, some are.

But for the safest and best results, acrylic resin dentures should be molded from materials specially synthesized for the purpose. Du Pont "Lucitone" methyl methacrylate denture material is just that—a special plastic designed for dentistry.

Du Pont produces in volume several commercial varieties of molding powder. Every year Du Pont liquefies or "cracks" tons of scrap from indus-

trial plastic products for re-use in a variety of articles. If these materials were suitable for dentures, Du Pont would use them in "Lucitone." And the resultant product could be sold at lower cost.

But Du Pont research indicates that dentures made from some scrap materials cannot be relied upon for strict uniformity and in many cases do not measure up to the highest oral requirements. This is easy to understand. There are a dozen or more formulas for the acrylic resins in commercial use. Each formula varies in ingredients. Some are in-

terpo
resin
suited

W
may
other
what
way t
and i
gree
ture
doubt
these
oral fl
mono



should a be made from?

terpolymerized or mixed with other resins not intended nor particularly suited for use in dentures.

When scrap is bought, one lot may be of one type—the next another. The purchaser cannot be sure what he is getting. There is only one way to assure the dental profession and its patients of the highest degree of uniformity in acrylic denture materials and to remove any doubt as to the form or strength of these dentures when subjected to oral fluids. That is to use only pure monomer and polymer specially

formulated for denture use.

Du Pont confines "Lucitone" to dentistry, and applies to other products the formulas which fit *their* purposes. "Lucitone," you may be sure, is processed, tested and controlled so that it meets needed requirements for uniformity, purity, strength, stability, tissue tolerance and resistance to oral fluids.

That is your safeguard when you specify "Lucitone," an acrylic resin specially synthesized for dentures. E. I. du Pont de Nemours & Co. (Inc.), Plastics Dept., Arlington, N. J.

"Lucitone," the only methyl methacrylate resin denture material made by Du Pont, is distributed solely by The L. D. Caulk Co., Milford, Del.



*Have you entered your
subscription to*

THE
D E N T A L
Digest
1 YEAR, \$2.00 2 YEARS, \$3.00

*for 1941? If not, may
we suggest you consider
it NOW?*

THE DENTAL DIGEST
1005 LIBERTY AVE. PITTSBURGH, PA.



ONCEN

Do
po
co
tri
tha
Fra
too

Do
Den
form
free
hosp
take
Cor
and

F-R X
Access
and th
availab
Look f
of qu
the U.

FR



25 YEARS DIFFERENCE

... in age ... practice ... technique



...Yet they both use F-R

CONCENTRATED LIQUID X-RAY DEVELOPER AND FIXER

Doctor X — "When I first began practice there were only powders to prepare x-ray solutions. The results were good, of course — but what a nuisance to mix and prepare. One day I tried F-R Concentrated Liquid X-Ray Solutions. It took me less than 60 seconds to prepare — and the results were even better. From then on it's been the F-R way for me. NOW I'm modern too."

Doctor Y — "I'm glad I never had to bother with dry powders."

Dentists everywhere agree that F-R X-Ray Solutions, first in concentrated form, are first in quality. Consistently great brilliance, diagnostic detail, free of fog and prepared in less than 60 seconds attest to why dentists and hospitals specify F-R. When diagnosis depends on accuracy and clarity — take no chances. Be certain — use F-R Concentrated Liquid X-Ray Developer and Fixer.

F-R X-Ray Solutions and F-R Dental Darkroom Accessories which include the F-R Interval Timer and the new F-R Stainless Steel Thermometer are available through your regular dental supply dealer. Look for the "F-R" trademark — it is your guarantee of quality always. All F-R Products are made in the U.S.A.



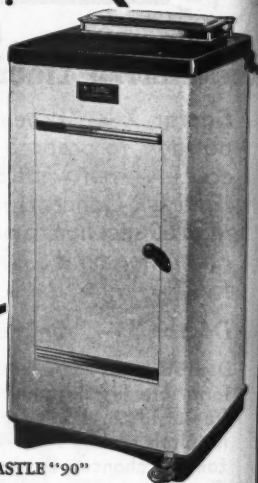
FR

FINK-ROSELIEVE CO., INC.

109 West 64th Street, New York • Branches: Chicago, Los Angeles

"FRANKLY, WHY SHOULD I CHANGE?"

"My old sterilizer is good enough. Why should I pay out my hard earned money for your sterilizer?"



CASTLE "90"

That's a fair question, Doctor, and one we're glad to discuss for the answer lies with your patients. Who among them prefers the out-of-date to the modern?

A Castle "50" or "90" dramatizes safety to your patients . . . the foot lift prevents hand contamination just as in a hospital . . . is frequently called "The Mark of A Careful Practitioner."

Furthermore, you owe it to your own peace of mind. "Full-Automatic" heat control and lifetime CAST-IN-BRONZE Boiler assures dependable trouble-free operation. Buy a Castle Sterilizer and you, too, will appreciate the convenience of being modern.

WILMOT CASTLE CO., 1101 University Ave., Rochester, N. Y.

CASTLE STERILIZERS

UNIV

Without ol

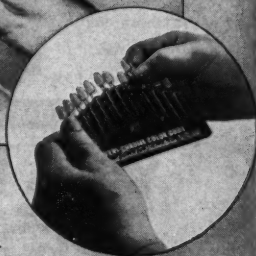
CITY

MY DEALER

COLOR SELECTION

Easy and Accurate

WITH THIS UNUSUAL COLOR GUIDE



With the Veri-Chrome Color Guide you'll get *infinitely better* results. Reason: The science of color and the studies of color distribution in natural teeth have been correctly applied to

VERI-CHROME

Five Phase  *Anteriors*

Look for the trade mark  on lingual of each tooth

UNIVERSAL DENTAL CO., 48th and Brown Sts., Phila., Pa.

Without obligation, please send Veri-Chrome Color Guide to

NAME _____ ADDRESS _____

CITY _____ STATE _____

MY DEALER IS _____

PLEASE PRINT



Style 11X

\$2.10 Sanforized
Shrunk White
Manco Linene
3 for \$6.00

\$2.75 Freshrunk
White
Paramount
Poplin
3 for \$7.95

You "Snap" Into It ... Actually

No fussing with buttons . . . a modern stylish garment equipped with quick, easy-to-fasten snaps . . . guaranteed *rust-proof and launder-proof* . . . sure, smooth working snaps that last as long as the garment. Manhattan gives you choice of these snap fasteners in several stock models and in *all* tailored-to-measure garments. Send today for Style Book O.D. illustrating over 60 up-to-the-minute styles.

Combining laundering simplicity with stylish mode is one of the problems solved by Manhattan for Hygienists. 23 exclusive designs give you a broad selection in both zipper and button styles . . . and in every model you will find special features of comfort and convenience. See these economically priced uniforms in Style Guide O.N. . . . sent free to you with samples.



Style 226

\$2.95 Sizes
12-42

MANHATTAN MFG. CO., 509 So. Wabash Ave., CHICAGO

YOU BENEFIT . . .

as well as your patients when you recommend the use of

STIM-U-DENTS

Users enthusiastically tell us that Stim-U-Dents have found cavities in their teeth they did not know were there. As a result they contact their Dentists promptly for repairs. STIM-U-DENTS make for tooth consciousness and Keep Your Patients Thinking Of You.

Ask for FREE SAMPLES

Simply mark "Samples" on your business card and mail to
STIM-U-DENTS, Inc., 54 Alfred St., Detroit, Mich.



ARTICULATE Your Study Models

THE New Columbia Study Model Articulator has a spring attachment which makes possible lateral and protrusive mandibular movements, and also permits the articulated casts to be easily separated and assembled again.

To mount models, drill the four holes (template and drill supplied) and attach prongs with sticky wax. To remove articulator from cast merely heat prongs and withdraw. Casts remain unmarred.

These articulators can be used repeatedly.

Cat. No. 805—Five Columbia Study Model Articulators with Template and Drill \$2.00

Cat. No. 806—Additional Articulators—Six for \$2.00

Order through your dealer

COLUMBIA DENTOFORM CORP., 131 East 23rd St., New York, N. Y.

RESTORE TISSUE TONE

**In Periodontal Disease
More Rapidly with**

ALUDROX

CLINICAL REPORTS show clearly that Aludrox, Wyeth's Alumina Gel, Dental, is a valuable adjunct to instrumentation and prophylaxis in the more rapid restoration of normal tissue tone in the treatment of periodontal disease.

Aludrox removes irritant substances and bacterial toxins from pockets and crevices by adsorption, a purely physical process.

It exerts a beneficial astringent action without undesirable vasoconstriction. It is not a chemical antiseptic and thus cannot corrode or damage gingival tissue.

Aludrox is applied undiluted to the periodontal tissue with a swab, toothbrush or digitally. Best results are obtained if the patient uses Aludrox, diluted, as a mouth wash several times daily at home between office visits. Folder giving complete technique of treatment will be gladly supplied on request.



*Periodontal pocket formation
in lower molar area.*

Supplied in 4-oz. bottles.

JOHN WYETH & BROTHER, INC.
Philadelphia, Pa.

A Specialized Form of Nourishment

RICH IN FOOD ELEMENTS NEEDED
FOR DENTAL NUTRITION
AND FOR LIQUID DIET AFTER EXTRACTIONS

DENTAL authorities have long recognized *Ovaltine's* value as the basis of a liquid diet following operative procedures.

Now, in light of the new knowledge of dental nutrition, *Ovaltine* is acquiring a new and added importance. For research is indicating a widespread deficiency of protective food elements in the diets of people of all ages and income levels—deficiencies resulting in sub-optimum dental nutrition. And recently, in step with this new knowledge, *Ovaltine* has been further enriched with added amounts of many protective food factors most likely to be lacking.

Hence the new, improved *Ovaltine* now supplies standardized amounts of four essential vitamins and three minerals. Made with milk according to directions, three servings provide the minimum daily requirement of the vitamin-mineral complex so important to sound teeth, Vitamin D, Calcium, Phosphorus. Three servings also

supply the daily requirement of B₁, and half to three-quarters the requirement of Vitamins A and G, Iron and Copper. Equally important, *Ovaltine* furnishes high-quality proteins, quickly absorbable carbohydrates and emulsified fats.

Consequently, many dentists are finding new, improved *Ovaltine* an aid to optimum dental health, as well as a "building" food for patients of all ages.

A request, over your signature, to The Wander Company, Dept. OH-11, 360 North Michigan Ave., Chicago, Ill. will bring a full-size tin of the new, improved *Ovaltine*.

2 Kinds
PLAIN AND
CHOCOLATE
FLAVORED



Ovaltine comes in 2 forms—plain, and sweet Chocolate Flavored. Serving for serving, they are virtually identical in nutritional value.

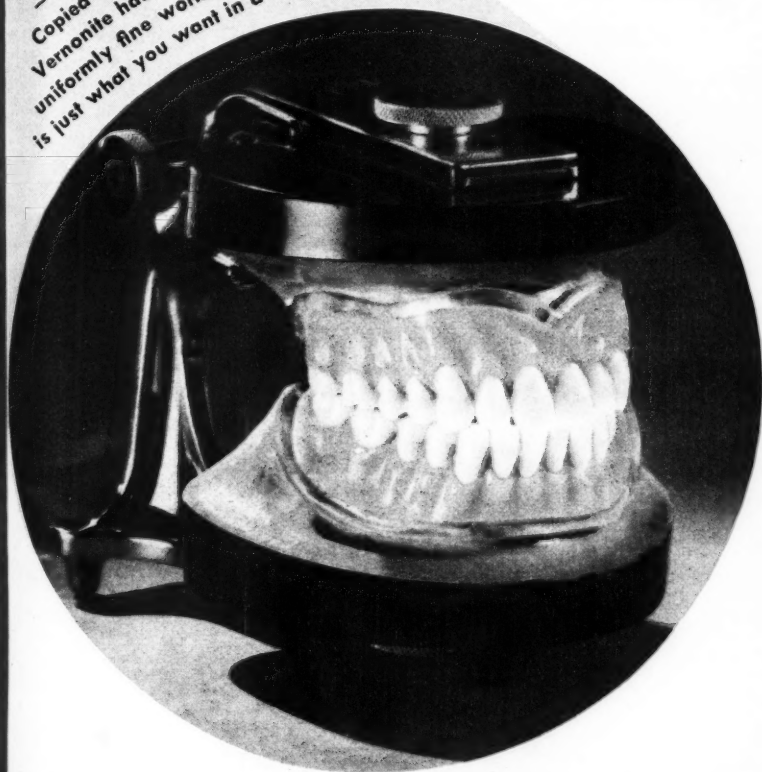
NEW,
IMPROVED

Ovaltine

— /
of
di
of
af
co
— /
C
V
u
i

V
n
—

VERNONITE is serving a widening circle of professional men—chiefly because it is one denture base that leaves no wake of regrets. It is a methyl methacrylate material made of pure ingredients by a responsible chemical firm for the sole purpose of constructing full and partial restorations. Introduced in 1937, after having been thoroughly tested in thousands of mouths by dental college clinics, Vernonite won immediate and widespread approval—continues to be the preference of critical dentists everywhere. Copied and imitated by literally dozens of commercial molding acrylics, Vernonite has never been duplicated, is still the standard for its uniformly fine working qualities, color, strength and stability. Vernonite is just what you want in a denture material. Accept no substitute!



Vernonite is the trade-mark, Reg. U. S. Pat. Off., for an acrylic resin denture material manufactured by the Rohm & Haas Co., Philadelphia, Penna., under U. S. Patent numbers 1,980,483—2,013,295—2,120,006, and distributed by Vernon-Benshoff Co., Pittsburgh, Penna.

VERNON-BENSHOFF COMPANY

P. O. Box 1587, 933 Ridge Ave., Pittsburgh, Penna.

MECHANICALLY PERFECT

Mental Attitude is 60% of Denture Success

NEW PLATES TORTURE TENDER GUMS WITH 15 TO 25 POUND PRESSURE—FINEST DENTURES OFTEN DISCARDED

Authorities say that 60% of the success of any new denture is *psychological*! Why? Because even the best-made plate is a huge, hard, foreign mass in a mouth that's never worn one. Exerting a biting pressure of 15 to 25 pounds, it torments tender gums . . . often becomes a "mental handicap" . . . and may end up, unused, in a bureau drawer . . . unfortunately, no compliment to the dentist who made it!

That's why, during the difficult "learning period," thousands of thoughtful dentists *assure* patients' comfort . . . and denture success . . . by prescribing DR. WERNET'S Powder.

EVEN FINEST PLATES NEED "SHOCK ABSORBERS"

We strongly feel that powder should never be used to provide suction where good suction already exists. But leading dentists agree that DR. WERNET'S Powder should be prescribed during the first trying months . . . to provide a protective, shock-absorbing comfort-cushion . . . to lessen irritation, to promote ease and assurance, to speed denture mastery!

AT LAST! PROOF THAT ALL DENTURE POWDERS ARE NOT

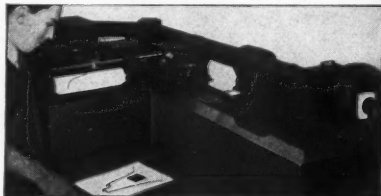
IMPARTIAL LABORATORY TESTS SHOW

DR. WERNET'S POWDER

26.1% WHITER

50% MORE VISCIOUS

**46.5% MORE ABSORBENT
THAN AVERAGE OF 5 LARGEST-
SELLING BRANDS TESTED**



26.1% *Whiter* (by Spectrophotometer reading) means proven purity . . . less foreign matter, less bark particles, less dirt! No dark gummy mass on patient's plate . . . therefore easier to keep clean!



50% *Whiter*...
increased security,
greater absorbing
quality comfort!

NEARLY 50,000 DENTISTS USE AND RECOMMEND

W
MPL



psychologically wrong

For almost thirty years, DR. WERNET'S Powder has been recognized professionally as a product that can be conscientiously and successfully prescribed. It is not advertised to the public because we believe that only a dentist is qualified to recommend its use.

SEND FOR YOUR FREE SUPPLY! Mail lower portion of this page, with your card, or letterhead, to Wernet Dental Mfg. Co., 190 Baldwin Ave., Jersey City, N. J.



50% more security, greater absorbing quality and comfort!



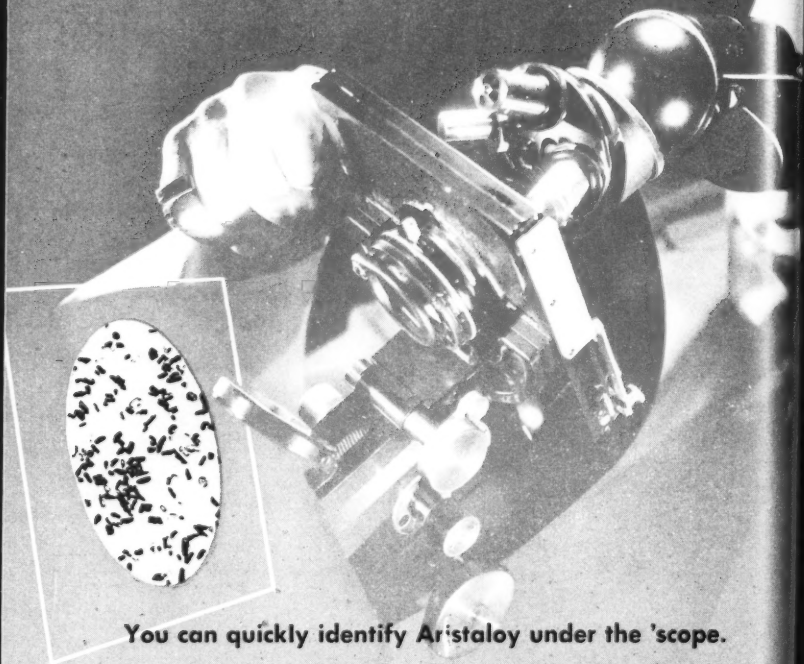
46.5% more **ABSORBENT**, means increased ability to absorb saliva and still retain effective viscosity!



DR. WERNET'S

POWDER

COMPLETES YOUR DENTURE SERVICE



You can quickly identify Aristaloy under the 'scope. Each microgranule is a solid unit, all are uniformly shaped and graded. They are condensed in the restoration to form a solid plug of metal with its smooth surface intimately adapted to the cavity wall.

Aristaloy

BAKER

Complies with A.D.A. Specification #1.

BAKER & CO., INC. • 113 ASTOR STREET • NEWARK, N. J.

R

J.



Powe
into
in.
\$42.5



The DEWEY School of Orthodontia

founded in 1911 by Martin Dewey, D.D.S., M.D.

Sessions held at intervals throughout the year. Date of next session on application. Classes limited.

For further information write

The Dewey School of Orthodontia, 17 Park Avenue, New York City

BALDOR Portable DUST COLLECTOR

Powerful suction draws in all dust and filings from Lathe Wheel and deposits into tray or into removable bag. Portable—only 18¾ lbs. Compact—6 in. by 12 in. No servicing. 1-YEAR GUARANTEE. (D.C. Current, \$29.50 \$42.50) A.C. Current,

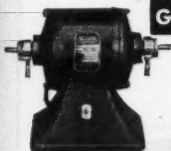
SAVES GOLD *Pays for itself*

BALDOR DENTAL LATHES

Two sizes—1-speed and 2-speeds. 1-YR. GUARANTEE. At left, 1-speed \$25.00
Price, without chucks.

Write for Bulletin No. 76

BALDOR ELECTRIC CO., 4372 Duncan Ave., St. Louis, Mo.



Q-T-N-O
QUALITY

Model-D

Enjoy the Long Handle
Note the reinforced end tuft
Examine the splendid
Design of this Top Flight Brush



The stiff unbleached bristles hold their shape and texture longer than other brushes.

Use coupon today

Your name stamped in gold on this personal sample. Get full details of this remarkable brush with price quotations for office dispensation. (Send 20c for sample brush to cover mailing cost).

THE CUTINO COMPANY, 807 Wyandotte St.
Kansas City, Missouri

For enclosed—cents, please send—Q-T-N-O
Model D Brushes—row. (No more than 2 at
20-cent price each.)

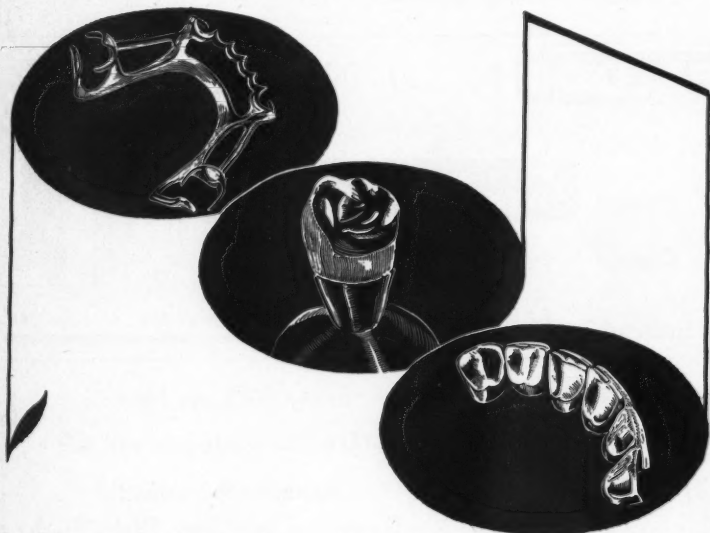
(Specify 2 Row, 3 Row, Junior Childs)
Please also send data and price list.

Dr.

Address

Druggist

A Symphony OF PERFECTION



Williams "6" All-Purpose gold is truly perfection in casting gold. Its versatility...one gold for all types of work in the mouth...makes Williams "6" All-Purpose gold ideal for partial dentures, inlays, fixed bridgework. Its workability simplifies casting technique; and its beautiful light coin color forever ends the necessity of matching different golds for correct shade. Try Williams "6" All-Purpose gold. Stocked by your dealer, or write: Williams Gold Refining Company, Buffalo, N.Y.; Fort Erie, N., Ont.; Havana, Cuba.

Williams  all purpose **CASTING GOLD**

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

Phenobarbital Sodium
Pentobarbital Sodium

ON prescriptions and orders—and even in oral directions—*pentobarbital* may be easily mistaken for *phenobarbital*. Fortunately, this confusion may be easily avoided. Simply write or say NEMBUTAL when you want to make certain that your patient will receive the short-acting barbiturate backed by ten years of clinical use. Nembutal is supplied in $\frac{1}{2}$ -grain, $\frac{3}{4}$ -grain and $1\frac{1}{2}$ -grain distinctive yellow capsules; in 1-grain, 2-grain and 3-grain suppositories; in ampoules containing

3.75 grains of the drug; and in Nembutal Elixir, each fluidounce of which contains 2 grains of the drug. Nembutal is manufactured and distributed solely by Abbott Laboratories, North Chicago, Illinois.

★ Write or say

NEMBUTAL

(Sodium Ethyl [1-Methyl Butyl] Barbiturate, Abbott)

*Make
this
Comparison*

**DR. BUTLER
Black Bristle
TOOTH BRUSH**



We believe that our brushes are the toughest and strongest on the market and will outwear any other brush. That's why we are making this special "comparison" offer, so that you may try it yourself.

Send 40c (to cover cost of packing and shipping) for two brushes (regularly 50c each). We suggest you choose a hard or extra-hard black bristle and a hard or extra-hard unbleached for best comparison.

**MAIL
COUPON
TODAY!**

JOHN O. BUTLER CO. OH 11-40

7359 Cottage Grove Ave. Chicago, Ill.

I enclose 40c for two brushes:

- | | |
|--|---|
| <input type="checkbox"/> Hard Black | <input type="checkbox"/> Medium Bleached |
| <input type="checkbox"/> Extra-hard Black | <input type="checkbox"/> Hard Bleached |
| <input type="checkbox"/> Hard Unbleached | <input type="checkbox"/> Extra-hard Bl'ch'd |
| <input type="checkbox"/> Extra-hard Unbleached | <input type="checkbox"/> Junior (Child's Brush) |

Dr. _____

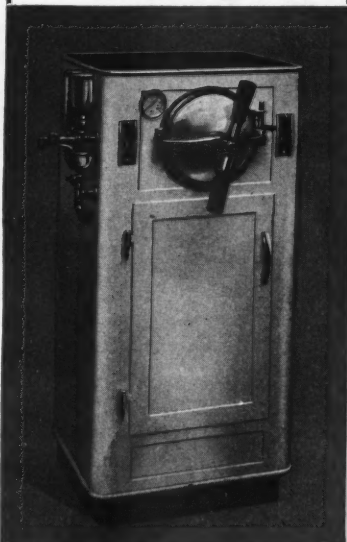
Address _____

City & State _____



*"I like that new
PROMETHEUS
AUTOCLAVE"*

**It's a good-looking job
... easy to operate
... and only \$179.50**



Dentists have given a ready reception to this new Prometheus autoclave. And no wonder! It sterilizes both instruments and dressings . . . gives true hospital technique in the office. See it at your dealer or write for literature.

PROMETHEUS
ELEC. CORP. 407 W. 13 ST. N.Y.C.



THE LATEST development of the World's Oldest and Largest Manufacturers of Filling Golds exclusively.

A JOY to PACK RIGHT!



● A new conception of the pleasure of working Gold Foil awaits you in "M-H" EXTRA PLIABLE Burnish Gold Cylinders, the latest development of the world's oldest and largest manufacturers of Filling Golds exclusively.

Responding instantly to the plugger, they enter undercuts readily, and stay put without

"balling" or "buckling"—enabling you to work with greater speed and better results.

Restorations made with them are uniformly dense, have greater edge-strength, perfect margins—and a most beautiful finish.

No other Filling Golds are like them! Order a bottle today to try. You'll be delighted with their marvelous cohesiveness and perfect softness, the moment you start working them.

**MAIL
THIS HANDY
COUPON!**

MORGAN, HASTINGS & CO., Established 1820
817-21 Filbert Street, Philadelphia, Pa.

Please send, through my dealer, one 1/40-oz. bottle of "M-H" Extra Pliable Burnish Gold Cylinders to try.

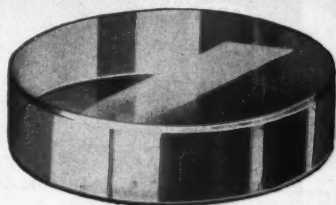
Doctor.....

Address.....

Dealer.....

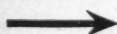
CHECK HERE ☐ for a **FREE** copy of a new 20-page booklet on "Essentials of ANNEALING GOLD FOIL."

Easy on the Temper



Buffalo's new No. 7 round glass cement slab is *easy to handle* because it snuggles so comfortably between your thumb and finger—*easy to keep from chipping* because it has no sharp corners—*easy to clean* because it is smooth, well polished plate glass. And that, of course, all sums up to the fact that it's easy on your temper. Four inches in diameter—price, \$1.75 at your dealers.

use



for the treatment of Pulp

Jamesson's Thymol Zinc Cement sets harder than other cements of this type, thus giving better support for permanent fillings. This, together with its high therapeutic value, makes it the ideal preparation for the treatment of exposed or inflamed pulps. Price, complete, \$3.00. Write now for descriptive booklet.

Buffalo Dental
MANUFACTURING CO., BUFFALO, N. Y., U. S. A.

YOU MAY be one of the thousands of dentists who have given the new Waite Novocain-Pontocaine-Cobefrin local anesthetic such a gratifying reception.

If so, you may desire to take permanent advantage of the more intense and prolonged anesthesia afforded by this solution for routine purposes, or wherever it is especially indicated and you will be glad to learn that Novocain-Pontocaine-Cobefrin can now also be obtained in boxes of 100 cartridges at the same rates for the standard Novocain-Cobefrin solution.

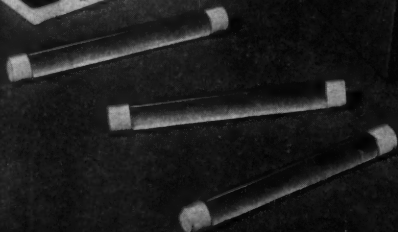
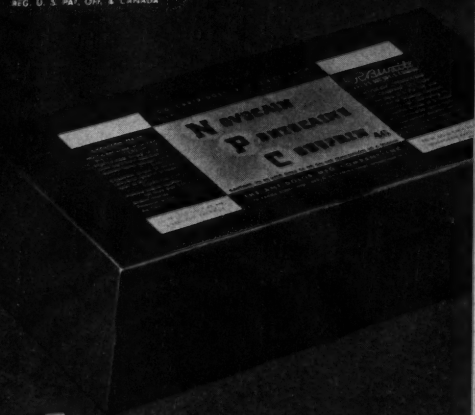
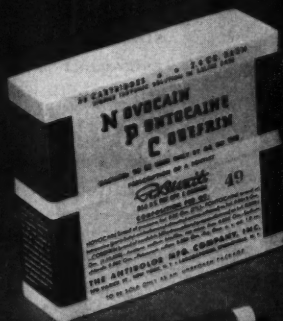
We mention this because the preliminary advertising given this product may have been misleading. While Novocain-Pontocaine-Cobefrin was especially designed for extensive operative or restorative procedures, its intense and longer period of anesthesia may have appealed to you for regular use where long anesthesia is indicated.

THE ANTIDOLOR MFG. COMPANY, INC.

170 Varick Street • New York, N. Y.

NOVOCAIN - PONTOCAINE - COBEFRIN

Dr. B. Waite
REG. U. S. PAT. OFF. & CANADA



NOVOCAIN - PONTOCAINE - COBEFRIN REG.
TRADEMARKS, WINTHROP CHEMICAL CO.

1396h

HUPPERT

Furnaces

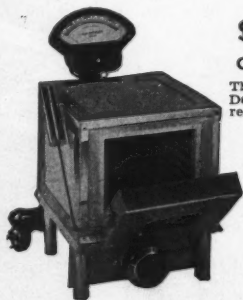
..choice of leading technicians



\$40⁰⁰
COMPLETE

Through your
Dealer or di-
rect.

HUPPERT LOW FUSING PORCELAIN FURNACE. For staining, glazing, and all low fusing porcelain work. Temperatures to 2000°F. Six Button Control. Large Muffle. Special Drying Out Chamber. Large, Accurate Pyrometer.



\$37⁵⁰
COMPLETE

Through your
Dealer or di-
rect.

HUPPERT WAX ELIMINATOR FURNACE. For smallest inlay ring or largest flask. Temperatures up to 1600°F. Three heat ranges. Large Muffle. Large, accurate Pyrometer. Stainless Steel metal parts.

WRITE FOR CATALOG

K. H. HUPPERT

1603 S. Michigan Ave.,

Chicago, Ill.



STOP
USING
SUBSTITUTES
For
Best Results
use -

Crescent Stopping



- MADE OF BEST GUTTA PERCHA
- IS NOT MEDICATED
- WILL NOT IRRITATE TISSUE
- LEAVES NO TASTE IN MOUTH

4oz
GLASS JAR
\$1.

CRESCENT DENTAL MFG. CO.
1839 S. Crawford Ave., CHICAGO

BUCKLEY'S DENTAL GLYCERITE



The ideal preparation wherever a stimulating and astringent remedy is indicated.

BUCKLEY
PHARMACAL CO.

NO. HOLLYWOOD, CALIF.

Only \$1⁰⁰ FOR BOX OF 6
HANDPIECE GLOVES

- KEEP GRIT OUT
- KEEP OIL IN
- BOIL AND REUSE AGAIN & AGAIN

ORDER TODAY
HANDPIECE GLOVE COMPANY
3643 Calafia Ave. Oakland, Calif.



Grapefruit and Dental Health



"There is sufficient evidence to indicate that the dental disaster of today is largely due to mineral and vitamin deficiencies."

Howe, P. R. *New England Journal of Medicine*,
215: 1163. 1936.

SPONGY, bleeding gums, loosened teeth, and oral sepsis are cardinal signs of scurvy due to lack of Vitamin C in the diet; and while frank scurvy is rarely seen, the sub-clinical form of the disease is of frequent occurrence.

Authorities in the fields of oral hygiene and public health hold that much disease of the periodontal tissue is due to sub-clinical scurvy, and state that the diet of half of our population is deficient in the vitamins and minerals upon which dental health depends.

Growth, pregnancy, lactation and disease increase the demand for vitamins and minerals, far above the requirements for the normal, healthy individual.

The growing tooth is characteristically sensitive to variations in the calcium metabolism, and this in turn is dependent upon an adequate intake of vitamins and other dietary factors.

Members of the dental profession are often the first to see the results of nutritional deficiencies, and are able to suggest the obvious remedy—a generous supply of those natural food-stuffs which are rich in minerals and vitamins.

In every well-balanced diet citrus fruits will have a place. They are prime sources of Vitamin C, and contain appreciable amounts of other vitamins and minerals. Recent research has shown that the addition of citrus fruit to an otherwise adequate diet increases the body's capacity for the assimilation of the calcium in other foods.

Among citrus fruits the grapefruit

ranks high in attractive and health-giving qualities, and increased intake of citrus fruits may be secured by the addition of grapefruit to the patient's usual diet.

Grapefruit may be taken as fresh juice, mid-morning and mid-afternoon, without affecting the appetite for the next meal. It may be eaten at meal-times as entree, salad or dessert, with pleasure as well as benefit. Cool grapefruit juice forms a delicious and healthful "nightcap."

The Citrus Commission of the State of Florida has just issued a treatise on the subject of citrus fruits in their relation to health; a copy will be sent to any member of the dental profession upon receipt of the attached coupon.

**FLORIDA CITRUS
COMMISSION
STATE OF FLORIDA**



Florida Citrus Commission Dept-270
Lakeland, Florida

Gentlemen:

Please send me your book, **CITRUS FRUITS AND HEALTH**.

Name

Address

City State

Profession

The statements in this advertisement are based on the following numbered references in "Citrus Fruits and Health": 73, 74, 75, 77, 80.

ALKALINE FASTEETH

IS A

Much



**FREE FOR
PATIENTS**

**PRaised
BY DENTISTS AS
MOST HELPFUL
ADVICE
ON MASTERING
A NEW DENTURE**



WIN

• T
FAS
tain
chee
and
com
of i
peri
does
and

Giv
that

S
of
Ter
"sc
illu
suc
od
rea
ser

Different DENTURE POWDER!

Feel Enjoy



WIN PATIENTS' INSTANT CONFIDENCE!

● The advantages of FASTEETH are more than theoretical; FASTEETH is different in *action* and in *results*. By maintaining a mild but persistent alkalinity in the denture area, it checks the irritating effects of excess MOUTH ACIDITY, and soothes tissues made sore by CHAFING. This feeling of comfort is further enhanced by the *cooling, sedative* action of its carefully-regulated menthol content.

FASTEETH has no pasty, gluey taste; no bulky sensation. The peripheral seal it forms, is *even* and *film-like* in consistency . . . that doesn't liquefy easily, but stays in place and holds a denture longer and more securely.

Help your patients to feel more confident from the very start. Give them FASTEETH, the soothing, cooling denture powder . . . that holds *more comfortably* as well as more firmly!

Send for YOUR Copies

of "Your DENTURE and YOURSELF." Ten pages of prosthodontic advice on diet, "sore spots," enunciation, etc. Includes illustrated pages showing how mouth tissues *change*, and the importance of periodic visits to the dentist to have dentures *readapted*. It will help make your denture service easier and more profitable.

CLARK CLEVELAND, Inc.
Binghamton, N. Y.

HY11

I should be glad to receive _____ copies of
"Your DENTURE and YOURSELF" for use
by my denture patients.

Doctor.....

Street.....

City..... State.....



Acrylics in Aircraft: Transparent PLEXIGLAS cockpit enclosures on Bell "Aircuda"

WHAT IS AN ACRYLIC?

What is an acrylic? To the dentist, it is an amazing new denture material which, overnight, has supplanted other materials used for generations.

To the aircraft manufacturer, it is a tough, lightweight, shatter-proof, "organic glass" which has made possible streamlined, transparent bomber noses, gun turrets and windows.

To the tanner, it is an emulsion making possible flexible finishes for fine leather.

To the paint chemist, it is a so-

lution especially suited to clear and pure white coatings which are hard, tough, resistant to chemicals, and impervious to odors.

To men in many other industries, it is a highly specialized material meeting the requirements of a highly specialized job.

DATES FROM 1901

This diversified development of the acrylics stems from the research of Dr. Otto Rohm, one of the founders of the Rohm & Haas Company. His doctorate thesis, published in 1901, was the basis of further research in his laboratory which resulted in the first large-scale production of acrylics in 1927, when Rohm & Haas introduced PLEXIGUM, an adhesive for laminated safety glass.

Since that time, Rohm & Haas has maintained its leadership in this field by developing and manu-

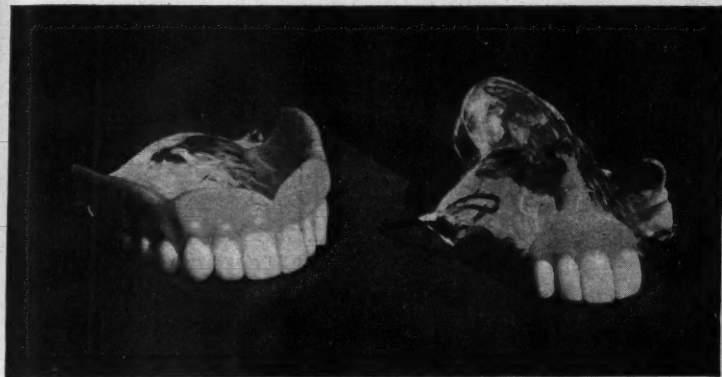
• *The first in a series of advertisements about acrylic resins, their chemistry and varied uses by the Rohm & Haas Company, Inc., pioneers in the development of acrylic resins and manufacturers of VERNONITE and CRYSTOLEX, the original acrylic denture materials.*

fact
emu
teria
pow
othe
coun

The
eral
teria
plast
many
group
nolic
lulos

VERN
for t
Haas
Comp
factu
eithe

Ro
WAS



Acrylics in Dentistry: VERNONITE and CRYSTOLEX denture and obturator

facturing acrylics in the form of emulsions, solutions, denture material, sheets, rods, and molding powders. Du Pont is the only other producer of acrylics in this country.

UNIQUE PROPERTIES

The acrylics comprise one of several basic groups of synthetic materials known to the layman as plastics and familiar to him in many applications. The different groups of plastics—such as phenolics, ureas, cellulose nitrate, cellulose acetate, vinyls, styrene, etc.

—compete with each other in many fields. Each, however, has its own unique combination of properties which gives it definite advantages for certain other uses.

While the acrylics differ in some respects from each other, they are, as a group, unequaled by any other organic material in permanent colorless transparency, permanent dimensional stability and resistance to most chemicals. And where this unique combination of properties is imperative, as it is in dentures, the acrylics have proved their definite superiority.

VERNONITE and CRYSTOLEX are the trade-marks, Reg. U. S. Pat. Office, for the only acrylic denture materials manufactured by the Rohm & Haas Company. VERNONITE is distributed by the Vernon-Benshoff Company, Pittsburgh, Pa., and CRYSTOLEX by the Kerr Dental Manufacturing Company, Detroit, Mich. Both materials are available in either powder and liquid or cake form and in clear or gum pink color.

ROHM & HAAS COMPANY, INC.

WASHINGTON SQUARE, PHILADELPHIA, PA.



NOW

KELLY'S PASTE

JOINS THE

LEE SMITH

FAMILY OF FINE

DENTAL PRODUCTS

Because . . . Kelly's Paste pioneered and has always led the field of zinc oxide-eugenol impression materials, and because . . . the Lee Smith company has always sought to further the use of superior dental products . . . it is a "natural" that the Lee S. Smith & Son Manufacturing Co. should take over the United States distribution of Dr. Kelly's Impression Paste. Kelly's Paste will remain the same high quality impression material that has opened up new horizons of accuracy and fit for the prosthodontist. Only the method of distribution will be changed to make the advantages of Kelly's Paste available to more dentists. You may obtain Kelly's Paste from any reputable dealer.



LEE S. SMITH & SON MFG. CO.

7325 PENN AVE., PITTSBURGH, PA.



FLUORESCENT LIGHT \$14.50

(Complete with 2 lamps)

New high efficiency illumination is now available at amazing low cost with the Bendick Fluorescent Light. It is indoor "daylight" for the dentist in office or laboratory, at all times.

Fluorescent lights are ideal for color matching and color identification. They are 50% cooler than ordinary lights. The Bendick has two 15-watt lights which are equal to two 60-watt ordinary lights.

Bendick Lights are ready to plug into your cluster or any other light socket. Ask your dealer.

BENDICK COMPANY

160 ELSIE BUILDING

LAPEER, MICH.

**"SHUCKS!
IT
DIDN'T
HURT
A
BIT"**

It is only natural to expect a keener sense of fear in children, as you know. And also a greater pride in courage.

NOVOTHESIA DICKS

is a friend ready to help all your patients—young and old. Write for your free sample, it will convince you.

**SPECIALTY
PRODUCTS COMPANY**

429 Bourbon St.

New Orleans



Trubyte New Hue Teeth Have Controlled Fluorescence!

What is Fluorescence?

It is the power of teeth to absorb light from their surroundings, to combine with that light and to return an appearance of brilliance and vitality.

What Does Controlled Fluorescence Mean?

Controlled Fluorescence means that:

- 1—The skilled scientists of The Dentists' Supply Company of New York have determined the exact amount of each of the ingredients necessary to produce the most desirable degree of fluorescence in teeth.
- 2—The formula from which Trubyte New Hue Teeth are made contains the proper balance of fluorescent ingredients to give the appearance of vitality and brilliance found in the finest natural teeth.

TRUBYTE NEW HUE TEETH

TRANSLUCENT

FLUORESCENT

Are as Light-Adapting as Natural Teeth



Part of the Chemical Research Laboratory of The Dentists' Supply Company, where most of the greatest advances in dental porcelain chemistry have been developed.

THE DENTISTS' SUPPLY COMPANY OF NEW YORK



ANNOUNCING *The* LACTONA Tooth-Tip Toothbrush *with* NYLON Bristle



Lactona Tooth-Tip Toothbrushes, with Nylon bristling filaments are now available. They are offered in two bristle textures . . . hard and medium . . . with the standard LACTONA tapered trim, especially adapted for inter-dental tooth-brushing technique.

LACTONA Brushes—in both Natural and Nylon bristles are distinguished . . . by 2 rows of widely spaced bristle knots . . . and the special Lactona Tooth-Tip.

A special introductory price of 20c per brush is made to registered dentists only. Please use coupon below.

For Special Trial Offer, limited to registered dentists only, please use coupon.

SPECIAL TRIAL OFFER

Lactona, Inc., St. Paul, Minn.

This offer at 20c per brush, to cover cost of mailing, handling, etc., limited to 2 brushes to each dentist. Lactona Brushes with Nylon Bristle, are available in two textures, hard and medium. Be sure to indicate preference.

☐ Hard

☐ Medium

Dr. _____

Address _____

City _____

Be sure to specify bristle texture. This special trial offer limited to registered dentists only.

FROM YOU TO YOUR PATIENTS

An Attractive *USEFUL* Christmas Remembrance



For Junior

**SPECIAL
OFFER
NO. 1**



● Small compact brush head.

● Ten bristle knots, each properly spaced.

● Every edge and handle surface carefully rounded, perfectly finished.
● Attractive pastel handle colors.

OFFER EXPIRES
DEC. 31, 1940

THREE DOZEN JUNIOR BRUSHES—\$3.50
Less than 10c per brush
MINIMUM ORDER THREE DOZEN BRUSHES

Shipped prepaid. Brushes under terms of this offer available in medium white bristle only. Packed in individual cellophane envelopes, three dozen to a box.

If desired, brushes will be especially imprinted with the doctor's name on the reverse side of the handle.

Complete Information and Special Order Blank sent upon request.

and Senior

SPECIAL OFFER NO. 2

TWO DOZEN REGULAR ADULT
BRUSHES FOR \$6.00
MINIMUM ORDER—TWO
DOZEN BRUSHES



Trim, compact brush head.

● Special handle finish.
● Every edge and handle surface rounded and smooth.

OFFER EXPIRES
DEC. 31, 1940

● New, durable Tooth-Tip for cleansing and stimulation of interproximal tissue.

Brushes on Offer No. 2 packed in professional cartons sealed in cellophane. Choice of any of seven bristle textures.

FOR ADDITIONAL INFORMATION AND SPECIAL ORDER BLANK, PLEASE WRITE TO:

LACTONA INCORPORATED
SAINT PAUL, MINNESOTA

HELP stamp out the unsterilized handpiece menace!



Field Tests* show millions of bacteria being transmitted from mouth to mouth

The only way to sterilize your straight handpiece is by using

STERO-OIL

Stero-Oil

* The whirling handpiece shaft continually gathers and ejects saliva STERO-OIL reaches the working parts and solves all handpiece problems

It's so easy. Just run your handpiece in a bottle of STERO-OIL for one minute after use on each patient. STERO-OIL sterilizes, cleans and lubricates *all* in one simple, quick operation. Your dealer has STERO-OIL. You need it to stop conveying harmful bacteria from mouth to mouth!

Operators bottle 75c • Order now from dental supply

STERILE PRODUCTS CO., San Diego, California

SENT FREE!

★ Large two-color, fully illustrated and descriptive folder sent promptly, without obligation, to dentists wanting information regarding the latest FISCHER Wall-Mounted Shockproof X-Ray Apparatus that has created so great a sensation among dentists the world around. Write or use post card. Or simply tear out this "ad," sign your name and address on the margin and mail to us. Folder sent promptly by return mail.

H. G. FISCHER & CO.

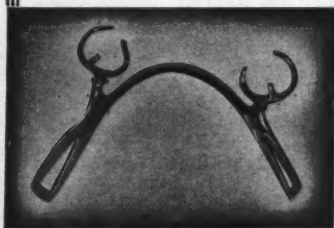
2323-2345 Wabansia Avenue
CHICAGO, ILLINOIS

MANY DENTISTS



are now using Teel—Procter & Gamble's new liquid dentifrice—as binder for pumice in prophylaxis at chair. Say patients like pleasant taste. Free samples upon request. Write to TEEL, Box 687, Dept. 31, Drug Products Division, Cincinnati, Ohio.

TRU-CHROME



TRU-CHROME LINGUAL BARS are anatomically designed to fit the contour of the lower arch. They have a flat split hook retention and this long, flat design makes the bars easily comfortable to saddle ridges.

TRU-CHROME UNIVERSAL CLASPS are designed with off-set occlusal rest so that it is possible to use them on left or right sides of upper or lower teeth. Tru-Chrome products excel through extreme strength and flexibility; yet are light in weight and retain the highest polish.

Write for complete information and price list on Tru-Chrome Prosthetic and Orthodontic Materials.

ROCKY MOUNTAIN METAL PRODUCTS CO.
1275 Sherman Street Denver, Colorado

THE LITTLE THING



**that means
so much**

Just a paper cup. A simple fraction-of-a-cent paper cup . . . Yet to your patient it is an outward manifestation of your thoughtfulness that speaks louder than any words. To him or her it is, even more than the laundry-fresh towel, a personal attention of direct significance: "No lips but yours have ever touched this cup" . . . For such a service the

trifling cost is insignificant, whether you prefer the cone-shaped Vortex Cup or the sturdy flat-bottom Dixie with its rolled brim . . . Dixie-Vortex through your favorite dental supply house can thus keep you building good will at a saving of sterilizing cost and inconvenience.

DIXIE-VORTEX COMPANY,
Chicago, Ill., Easton, Pa.

DIXIE-VORTEX

P A P E R C U P S





UNITED DRUG COMPANY
and
YOUR *Rexall* DRUGGIST
YOUR PARTNERS IN HEALTH SERVICE

PURETEST FLAVORED SODIUM PERBORATE

**gives your patients a more effective
oral hygiene powder and dentifrice**

Your use of Puretest Flavored Sodium Perborate in your own office and your recommendation for its home use tend to increase patient-satisfaction—a point to be considered in any thoughtful practice-building plan.

Puretest Flavored Sodium Perborate will please your patients because of its effectiveness as well as its low price. You can recommend it, knowing that it differs from some other flavored sodium perborates in that it has a much higher percentage of Sodium Perborate (approximately 99% of U. S. P. purity and strength with addition of pleasant-tasting ingredients) and has, therefore, a greater antiseptic action because it liberates approximately 9% oxygen in the presence of moisture. Dentists everywhere use Puretest Flavored Sodium Perborate and recommend it to their patients as an efficient antiseptic mouth wash as well as a dentifrice to be used at regular intervals in connection with a good tooth powder or paste.



Puretest Flavored Sodium Perborate is available only at the thousands of Rexall Drug Stores throughout the United States. Liggett and Owl Stores are also Rexall Stores.

UNITED DRUG COMPANY • Boston • St. Louis

Chicago • Atlanta • San Francisco • Los Angeles
Portland • Nottingham • Toronto

Pharmaceutical Chemists—Makers of tested-quality products
for more than 37 years

***Rexall*
DRUGS**

For sale wherever you see this sign



His partial
functions
comfortably

★ ★ ★

of course it's
**PLATINUM-
PALLADIUM-
GOLD!**

THE inherently greater resilience of platinum-palladium-golds holds partials comfortably in alignment without extreme rigidity which has a tendency to damage abutment teeth.

Increased strength of these precious metal alloys enables you to use fewer pennyweights of metal.

Thus your restorations are lighter in weight and less bulky...yet fully safeguarded against breakage.

Casting and wrought platinum-palladium-golds are readily available to you under many nationally known trade names. There is an alloy to meet strength requirements of every type of restoration.

Platinum Metals Division

THE INTERNATIONAL NICKEL COMPANY, INC.

67 Wall Street, New York, N. Y.



A FREE

HOW TO GET A DENSENE SAMPLE DENTURE—FREE

You will receive a Densene Sample Certificate enclosed with each unit of Densene or with each full Densene Denture made for you by your laboratory. When you have accumulated 12 of these certificates (or if you want your sample immediately order 12 Densene units from your dealer at one time) mail them to Cosmos Dental Products, Inc., 49 W. 45th Street, New York City and a Densene acrylic resin all-pink full denture will be sent you, *without charge*.

The Densene Sample Denture is a replica of a practical case. It is fully carved and finished, illustrating beautifully the life-like appearance of Densene. The sample denture will be supplied with your own choice of any of following teeth: 1. Justi Vitalux. 2. Myerson's Trublend. 3. Trubyte New Hue. 4. Universal Verichrome. *Be sure to specify brand of teeth when ordering.*

THE ACRYLIC RESIN DENTURE MATERIAL

Densene

COSMOS DENTAL PRODUCTS, INC. • 49 WEST 45TH STREET, NEW YORK CITY

ESAMPLE DENTURE!

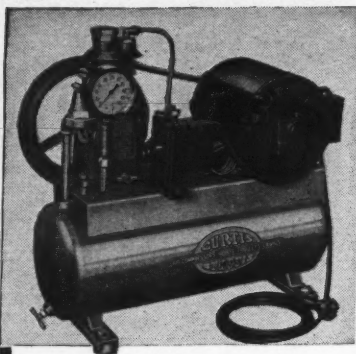


FOR OFFICE DEMONSTRATION: A good picture is worth a thousand words. Since it is fairly difficult to describe the unusually attractive appearance of Densene, a sample denture offers an opportunity to illustrate its "alive" appearance convincingly for your patients. At the same time, they can actually feel its "feather weight" and know as you do, that Densene is odorless and tasteless . . . readily understand why these beautiful dentures are so easy to clean and keep clean.

In comparison with dentures made of less modern materials, the sheer beauty of the Densene Demonstration Case emphatically points out the appealing advantages of Densene and makes verbal explanation entirely unnecessary.

You'll find the Densene Sample Denture a definite asset in your office. Save the Sample Certificates and get yours without delay.





CURTIS Dental Pumps

*Operate Quietly,
Efficiently, at Low Cost*

Curtis Automatic Dental Pumps are especially designed for this exacting service — to provide compressed air for the modern dentist. They reflect Curtis' 86 years of successful engineering experience and are precision built in every detail.

You'll find a Curtis Dental Pump extremely quiet in operation, highly efficient and thoroughly dependable. It provides clean, pure air at all times and operating costs are extremely low. It occupies small space, starting and stopping are completely automatic and requires no attention except occasional filling of oil reservoir. Uses a tasteless, odorless, colorless lubricant.

Compressed air saves you time, energy and money — it's an invaluable aid in operative dentistry and laboratory work — makes your work easier and better and patients appreciate its use. Write for Bulletin C-18.

CURTIS PNEUMATIC MACHINERY CO.

Division of Curtis Manufacturing Co.

1933 Kienlen Ave.

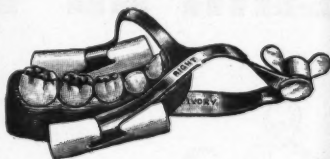
St. Louis, Mo.

CURTIS

the NEW IVORY

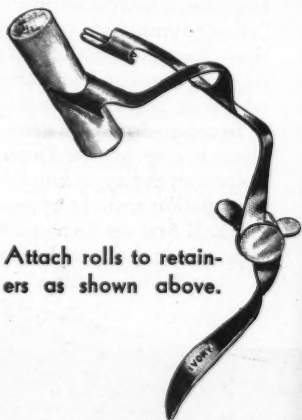
CHILD SIZE

Self Retaining Cotton Roll Holders



Made right and left, any size roll may be used. No. 2 size shown. The jaws clasp the rolls firmly between the arms while adjusting, are quickly removed to get proper occlusion.

To use on lower jaws the handle is swung back under chin and so made *Self Retaining*. When held by patient this form of handle is convenient as hand is out of way and Holder is not liable to be tilted out of place.



**Attach rolls to retain-
ers as shown above.**

All Dealers

J. W. IVORY

**Manufacturer
Philadelphia, Pa., U.S.A.**



THE ANACIN COMPANY • JERSEY CITY, N. J.



Professional samples of BiSoDoL will be sent on request
THE BiSoDoL COMPANY • NEW HAVEN, CONNECTICUT

Gene
thetic
clude
Demo
celain
provin
your c
In a
the ne
der an
if purc
this w
series



**"Extra
Values"**

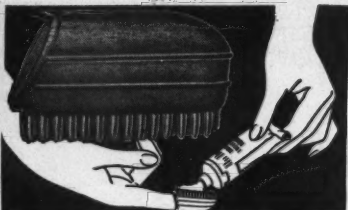
in the new

DEMONSTRATOR PACKAGE OF Synthetic Porcelain

Generous-size Demonstrator Bottles of Synthetic Porcelain powder and liquid are included *without charge* in the new Demonstrator Package of Synthetic Porcelain. They represent extra values in proving the merit of Synthetic Porcelain to your own satisfaction.

In addition to the Demonstrator Bottles, the new package contains 6 bottles of powder and one bottle of liquid. Worth \$19.00 if purchased individually—costs only \$16.60 this way. All filling material—no accessories. A wonderful buy!

FOR
MODERN
MATERIALS
call on
CAULK
MILFORD
DELAWARE



GUM MASSAGER

The HY-KARE Gum Massager is an invaluable aid in promoting firm gums and sound teeth. Ideally suited for home care of the gums after thorough prophylaxis. Stimulates circulation of the vascular tissues without irritation.

Made of pure surgical rubber. Sanitary, easy to clean. Fits finger snugly. For use with any dentifrice or special lubricant you prescribe. Order direct, or through your supply house.

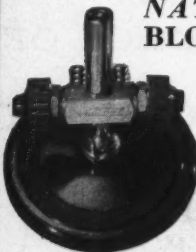
8 for \$1.00 — Sample 15c — 44 for \$5.00

In the first few months of its introduction in the Chicago area, Hy-Kare Gum Massager received the endorsement of more than 2,000 dentists.

HY-KARE LABORATORIES
405 S. Dearborn St., Chicago

ECONOMICAL

NATIONAL BLOWPIPES



No. 5 ORTHODONTIC

Send the coupon for full information

with Koolite are economically priced, well designed, and made of fine quality materials. They are approved by the Underwriters' Laboratories.

National Welding Equipment Co. 1140
223 Main St., San Francisco, Calif.

Please send data and prices on your blowpipes.

Dr.

Address

Dealer

VARIABLE EDEMA DURATION

due to the varying methods
of cigarette manufacture
(as shown by rabbit-eye test*)



AVERAGE DURATION 8 MINUTES

Upon instillation of smoke solution from Philip Morris Cigarettes.



AVERAGE DURATION 45 MINUTES

Upon instillation of smoke solution from cigarettes made by the Ordinary Method.

CLINICAL CONFIRMATION:**

When smokers changed to Philip Morris, every case of irritation of the nose and throat due to smoking cleared completely or definitely improved.

*Proc. Soc. Exp. Bio. and Med., 1934, 32, 241-245

**Laryngoscope, 1935, XLV, No. 2, 149-154

PYROZIDE

TOOTH POWDER

DENTINOL (LIQUID)

PROVEN FOR 40 YEARS

We should like you to know and understand the healing qualities of DENTINOL Liquid, also the merits of PYROZIDE TOOTH POWDER, as a daily dentifrice for your patient's home cooperation. DENTINOL has been successfully used

by the dental profession for almost 40 years in treating Pyorrhea, Gingivitis, Vincent's Angina and other oral infections. It is very effective in post operative treatments, impacted third molars and dried sockets. Very healing and soothing in all inflammatory conditions of the mouth.

PYROZIDE TOOTH POWDER is very beneficial for your patients. It is also the most economical dentifrice as a large tin lasts from 4 to 6 months.

As to the merits of PYROZIDE TOOTH POWDER and DENTINOL Liquid, we have many thousands of testimonials from the dental profession throughout the world to prove all our claims for these meritorious products.

DENTINOL is obtainable at your depot on a money back guarantee. Accept no substitutes for PYROZIDE TOOTH POWDER or DENTINOL.



WEB DISTRIBUTING CO.

259 SOUTH STREET

NEWARK, N. J.

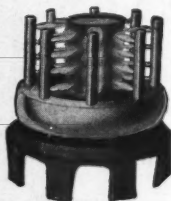
IMPORTANT STEPS in CASTING TECHNIC...

INVESTMENT BURN-OUT

TORIT

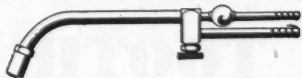
WAX ELIMINATORS

take care of this important step by rapidly and efficiently eliminating



wax and moisture from investments. The evenly-distributed heat around the investment ring assures a mould free from warpage and contortion.

Ask for Catalog No. 13, showing TORIT Wax Eliminators, Blowpipes and over 100 other items that will interest you.



MELTING CASTING METAL

TORIT

BLOWPIPES

are available for manufactured city gas, natural gas, acetylene (Prest-O-Lite), tanked petroleum gas or oxygen and hydrogen—do their part by producing clean, hot, concentrated flames that thousands find ideal for melting casting metal.

TORIT MANUFACTURING CO.
279 Walnut St. St. Paul, Minn.

MASKS NASAL ODORS

OFFENSIVE
breath exhaled
through the
nose is masked
for hours fol-



lowing a single intranasal application of V-E-M. Contains 6¼ gr. eucalyptus oil and 1½ gr. menthol per oz. of nasal ointment. A boon to sufferers from nasal halitosis. ZYL (V-E-M plus ½% ephedrine) quickly relieves nasal congestion of colds.



SCHOONMAKER LABORATORIES, INC., Caldwell, N. J.

Please send FREE sample of V-E-M & ZYL to:

_____ D. D. S.

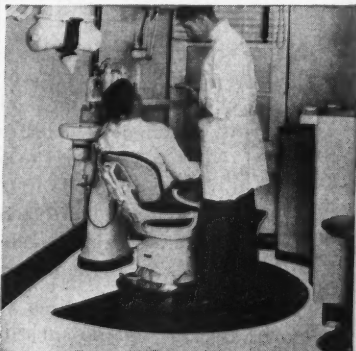
_____ Street

City _____ State _____

OH-11

Karpex

**DENTAL
MATS..**



THE LEADER FOR MANY YEARS

The name Karpex today—as in the past—means the best, at the lowest price, in dental mats. Call on your dental supply house for prices and beautiful color combination samples from which to choose.

KARPEX MFG. CO. — INDIANAPOLIS, IND.

DO YOU help your patients decide?

Patients look to you for advice on the choice of a dentifrice. They want a specific recommendation.

Help them decide by recommending Kolynos*, a Council Accepted Dentifrice that may be used according to your specific instructions on the dry brush technique.

Because Kolynos is a concentrated dental cream (no added water in the formula) only $\frac{1}{4}$ inch on a dry brush is needed to help clean the teeth.

Send for professional samples today.

THE KOLYNOS COMPANY
New Haven, Connecticut

first.

DURING the past century, Prosthetic Dentistry has moved forward rapidly, because service to the patient has guided the profession to an acceptance to better materials and improved techniques. In the past decade, this ideal of professional service has accorded *Vitalium world-wide use as an alloy superior to other metals for full and partial restorations.

AUSTENAL LABORATORIES, INC.

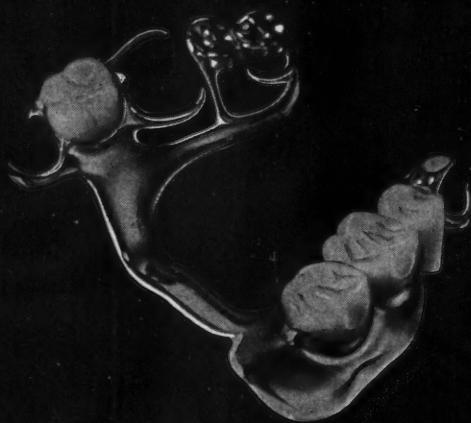
34 W. 33rd Street
New York City

5932 Wentworth Avenue
Chicago

The only true Cobalt-Chromium alloy used in orthopedic surgery

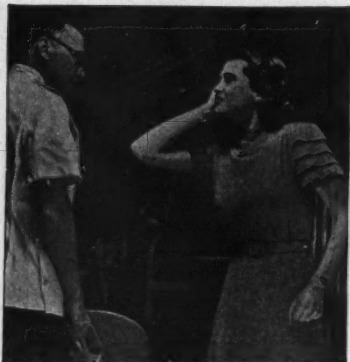
You Can Obtain Outstanding Service from the V

IN PATIENT SATISFACTION



the VITALLIUM LABORATORY Near You

* TRADE MARK REG. U. S. PAT. OFF. © 1954 VITALLIUM LABORATORY



"DO YOU CALL THAT Painless DENTISTRY?"

—"if you do, I don't!" Angry Mrs. Bell will *not* return next Tuesday. And for Mr. Bell and little Mary there will be no further treatments. The Bell family is *through*.

It *could* have been avoided, though this dentist doesn't yet see how. The only anesthetic he could have used for that work was a topical,—a *good* topical. And what do we mean, a *good* topical?

We mean just that, Doctor, a good topical —Rorer's Topical. With it, there's no pain for your patients, even in the insertion-pang of the hypodermic needle. Without it, by inflicting pain you may endanger the good will so indispensable to your future.

TO HEAD OFF PAINFUL SITUATIONS USE RORER'S TOPICAL ANESTHETIC SOLUTION

Price \$3.00

anesthetizes mucous membrane surfaces *within two minutes*.

To order use return coupon below.

WILLIAM H. RORER, INC.

Dental Division

254 South 4th Street, Philadelphia, Pa.

Send me one bottle of Rorer's Topical Anesthetic Solution @ \$3.00.

Name.....

Address.....

Dealer's Name.....



Hu-Friedy's ORAL SUN LIGHT

This Hu-Friedy light has been designed to give long service at little expense. It is very sturdily constructed, requires no servicing, uses a minimum of current.

The adjustable condensed-focus concentrates the low-candle-power light to brilliant intensity. Mechanical construction permits perfect ventilation to carry off generated heat.

Furnished with cushion-padded headband in either soft leather or stiff fibre, 10 feet of rubber covered wire cord vulcanized to a sturdy wall-plug, and transformer for alternating current or rheostat for direct current. The price is exceedingly low... \$18.50.

Send the coupon for a ten-days' trial.

The Hu-Friedy Mfg. Company
3118 Rockwell St., Chicago, Ill.

Name.....

Address.....

City.....State.....

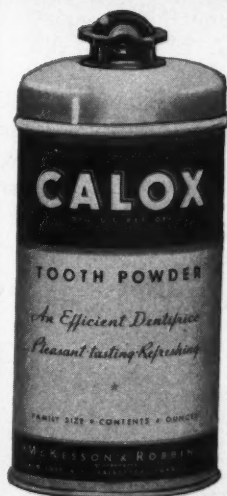
Dealer.....

Current.....A.C.....D.C.....

Headband.....Leather.....Fibre.....



She SEES
the NATURAL LUSTRE
of a CALOX Smile
What will *You*
See?



You'll probably see the same gleam and natural lustre on the inside areas of the teeth as you see on the outside—if she does a good job of brushing her teeth with CALOX Tooth Powder.

The bland, finely powdered ingredients of CALOX go into split-second action, removing organic stains, dislodging food particles, giving the teeth a high polish and leaving the mouth feeling clean and refreshed.

CALOX is made to help bring out the natural lustre of the teeth—no therapeutic or curative claims are made for it. It is harmless to the gums and tooth structure of child or adult. These are the reasons dentists use CALOX and recommend it to their patients.

Made by McKesson & Robbins, Inc.

BRIDGEPORT, CONNECTICUT

Who Have Served the Public Health Since 1833

AT YOUR SERVICE . . .

2



**TICONIUM IS PROCESSED BY
MORE LABORATORIES THAN ANY
OTHER NON-PRECIOUS METAL**

To render you the finest and most progressive laboratory service, these 225 Ticonium Laboratories have many active assistances.

Periodical visits by technicians from the Ticonium research laboratory, sectional and national meetings presided over by prominent teachers and clinicians, and regularly published technical material keep Ticonium laboratories informed of current developments in prosthetic dentistry.

Aided in the processing of Ticonium by a definite technique and the most scientific equipment yet devised for dental processing, your Ticonium Laboratory is trained to serve you better—technically.

TICONIUM
Albany, New York
413 No. Pearl St.

TICON

T H E R E I S A T I C O N I U M

225

QUALIFIED
TICONIUM
LABORATORIES

TICONIUM

LABORATORY NEAR YOU

FAVORIS

A cleansing, stimulating mouth-
wash. Helps promote healing.

Patients gladly use it



NUM has everything it takes—

- Powerful anesthetic action • Non-nar-
cotic • Non-toxic • Non-irritating • Non-
acid • Pleasant smelling • Tasteless
• Non-evaporating • Non-corroding.

In the Silver
and Black Box

Order from your
dental depot.

OH-11-40



NUM SPECIALTY CO., 4614 Fifth Ave., Pittsburgh, Pa.

Crescent SILVERLOY

REG. U.S. PAT. OFF.



CRESCENT DENTAL MFG. CO.,
1839 S. Crawford Ave., CHICAGO

The
mo
ma
ing
bre
ple
s &
sha
odon
insu

MOD

THE MODEL



The original plain and mottled pink denture material. No tinting—Positively unbreakable. Supplied in ten standard shades—odorless—insured.

Parfait
A Denture of Perfect Beauty

Made in U.S.A. Sold all over the world. Write for free sample offer. The Parfien Chemical Company, Toledo, Ohio.

MODEL RAILROADING

20¢ PER COPY

Get your copy of The Model Railroader Magazine at any of the better news dealers and hobby shops and become acquainted with plans and construction methods for the greatest fun-producing hobby in America — Model Railroading.

THE MODEL RAILROADER MAGAZINE, MILWAUKEE, WISCONSIN

Crescent



WIG-L-BUG

Pat. May 21, 1940

This Wonder Electric Mortar & Pestle requires only 7 to 10 seconds to triturate enough amalgam for an ordinary filling. A great time saver, it cuts costs, eliminates waste, saves alloy and mercury.

Use the WIG-L-BUG with your preferred alloy for better, faster, more successful fillings. Its mix is a smooth, fine texture . . . always the same. Write for complete, descriptive literature.



Model No. 3A

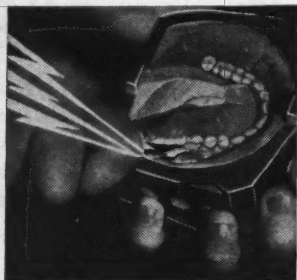
Through your dealer or direct

CRESCENT DENTAL MFG. CO.
1839 S. Crawford Ave. CHICAGO

THOUSANDS!

*Have Sent for this
Trial Offer*

1! 2! 3! Acrylic INVESTING KIT



Easy Digging No Tin-foiling

Trial Kit contains three new tested investing materials, enough for two complete Acrylic cases ... using the new, speedy 1-2-3 hot water technic. Guarantees precision results, inherent Acrylic beauty and easy case removal.

Mail Your Coupon Today!

WHIP-MIX CORPORATION
411 W. Avery, Louisville, Ky.

I enclose 25c (stamps or coin) for a 1-2-3 Acrylic Investing Kit, enough for two cases.

Name.....

Street.....

City..... State.....

Dealer's
Name.....

OH-11

Don't betray their Trust!

Patients are not satisfied until they have confidence in their dentist to preserve and protect their teeth.

Dentists turn to Silv-O-Dent, knowing that Silv-O-Dent sets harder and faster than any other Oxy-eugenol ever developed ... that Silv-O-Dent can be placed in direct apposition with vinyl restorations that it soothes and saves and positively will not discolor.

As proof of the fact that it meets a demand better than any product on the market... over 350,000 packages have been sold to satisfied dentists.



The Silv-O-Dent Company O-11-40
1704 N. E. Alberta St., Portland, Ore.
You may send me a copy of your free booklet about Silv-O-Dent, Oxy-eugenol silver.

Mr.

Address.....

City.....

State.....

**SEND COUPON FOR FREE
TECHNIQUE BOOK**



Revelation

TOOTH POWDER



Yes— say Thousands of
Dentists Throughout the Nation

"Yes," they tell us, "we personally use and recommend Revelation Tooth Powder."

Many give the reasons, such as: "It is so finely ground and free from grit" . . . "safe and efficient" . . . "honestly advertised" . . . "have used Revelation for 30 years."

We are grateful for the widespread recognition indicated by our many dentist friends and pledge uncompromising allegiance to the formula, perfected by August E. Drucker in 1907.

PLEASE ENCLOSE PROFESSIONAL STATIONERY

AUGUST E. DRUCKER CO., 2226 Bush Street, San Francisco

OH 11-40

() Professional stationery enclosed.

() Send full size can for personal trial.

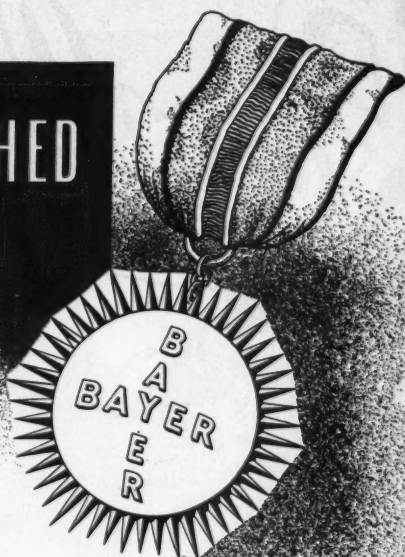
() Send testing samples for patient distribution.

Dr. _____

Address _____

City _____ State _____

DISTINGUISHED SERVICE



For forty years Bayer-Tablets of Aspirin has served the dental profession for the relief of pre- and post-operative pain.

Dentists recognize and take advantage of these practical uses for Bayer-Tablets of Aspirin:

Pre-Operative

A dose of Bayer Aspirin taken the night before an appointment will allay any existing pain and thereby assist in securing refreshing rest during the night.

Post-Operative

Where there is a possibility of after-pain, Bayer Aspirin can be recommended as a serviceable post-operative analgesic.

Professional samples of Bayer-Tablets of Aspirin are mailed regularly to dentists. If you wish to avail yourself of this service, drop us a card and we will be glad to add your name to our list.



BAYER ASPIRIN

170 Varick Street

New York

of course teeth are red...

... that's why

Certified Enamel

makes color matching so easy

That RED... the basic color of the human body is also the pigment of living teeth is now recognized by the dental profession. Lee Smith scientists have incorporated this lifelike hue into the powders of Certified Enamel Improved through an exclusive process of basic pigmentation. Thus when using Certified's modern reddish silicate and the Perfect Circle blending plan, your color-matching is made easier and more accurate, and restorations are so natural as to defy detection. Investigate Certified Enamel Improved TODAY.

LEE S. SMITH & SON MANUFACTURING CO., PITTSBURGH

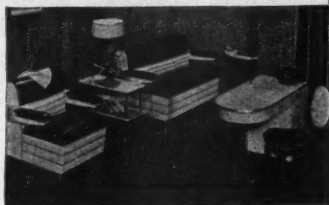


INSTALL A 1941 RECEPTION ROOM NOW!

Royalchrome
DISTINCTIVE FURNITURE

New 1941 Royalchrome makes your reception room and office look smartly professional. It's easy to keep clean and sanitary, too. The guaranteed Tuf-Tex leatherette adds contrast and warmth and is available in 30 colors, including Cinnamon, a simulated rawhide. Extra strong construction. Economical to own and maintain. Write for catalog now.

ROYAL METAL MFG. CO.
161 N. Michigan Ave., Dept. B, CHICAGO
New York — Los Angeles — Toronto



Vitalene for PERFECT IMPRESSIONS

Accurately reproduces every detail of oral tissue. Sets in 5 to 8 minutes. Corrections may be made without making new mix. Eliminates cracking. Mixing pad FREE with each order. Write for FREE samples.

VITALENE • 626 W. Jackson Blvd., Chicago, Ill.



ANTIPHLOGISTINE

is indicated in dental congestions for the relief of pain, inflammation and swelling.

The Denver Chemical Mfg. Co., New York

Samson's Secret



We are the only ones who make SAMSON RUBBER. Moreover, we are the only ones that know how to make it.

¶ *The process is a secret.*

¶ When we started in 1865, our knowledge of rubber was not nearly so profound as it is now. In our over 70 years of practical experience, we learned how to make the best dental rubber, and that rubber is SAMSON.

¶ Not the best because we say it is, but because the dental profession admits it is.

¶ Ask the progressive dealer.

Eugene Doherty Rubber Works, Inc.

110-112 Kent Avenue, Brooklyn, N. Y.

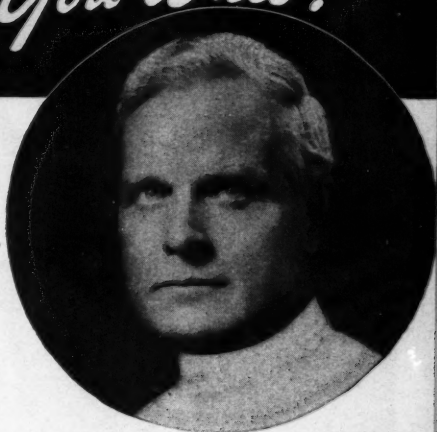
"For
miss
plea
denti
know

TH
v
for the
See
Ritter
how it
it enab
it prom
frequen

You
Econ

You're Missing Something Every Day You Wait!

"For years I've been missing half the real pleasure of practicing dentistry without even knowing it . . ."



THIS STATEMENT is typical of thousands of dentists who never realized what modern equipment could do for them . . . until they installed it in their offices.

See how much you have been missing by not having a Ritter Motor Chair . . . and all the advantages it offers . . . how it saves you countless hours in operating time . . . how it enables you to feel fresh at the end of a busy day . . . how it promotes health and enables you to use the rest stool more frequently and conveniently than ever.



Don't get the idea you can't afford it . . . for it is economical . . . it pays dividends in good health . . . in operating efficiency . . . in enabling you to treat more patients . . . in providing patient comfort . . . for there is nothing to compare with a Ritter Motor Chair, it is so exclusive.

Visit your Ritter dealer . . . find out what you have been missing . . . get the real pleasure out of the practice of dentistry with a Ritter Motor Chair!

You Can Do It Quicker... Better... More Economically with Ritter Equipment

Long life!

IN YOUR HANDS, Minimax Alloy No. 178 will produce long lived, completely successful amalgam fillings. Your assurance of this is the fact that Minimax is fabricated to comply with all alloy specifications not only in carefully controlled laboratory tests devised to determine whether or not a product will pass minimum requirements—but where compliance means the most, in the hands of practicing dentists employing every day amalgam technics. The DEFINITE SUPERIORITY of this top quality alloy will be evident to you in filling cavities that are large or small, easily accessible or difficult to get at. Minimax Alloy will do just what you want it to do—or your money will be refunded promptly.

Filings suitable for alloy-mercury gauges.
Complies with A. D. A. Specifications No. 1.



In 5 oz. BOTTLES
5 oz. \$1.50 per oz.
10 oz. 1.45 per oz.
20 oz. 1.45 per oz.

In 1 oz. BOTTLES
1 oz. \$1.60
5 oz. 1.55 per oz.
10 oz. 1.45 per oz.

For best results mortars and pestles should be occasionally resurfaced. Over long periods they wear smooth... become inefficient. As a convenience Minimax provides FREE with every bottle a handy envelope of Abrasive Resurfacing Powder.

Minimax

The Minimax Co., Medical & Dental Arts Bldg., Chicago, Ill.

S

S



2

T
i
n
n
t
o
P
l
i
d
I
I

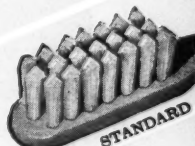
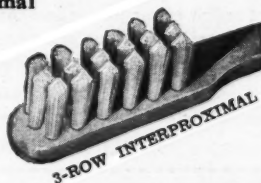
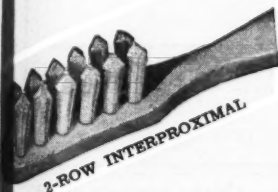


T
R
a

R
A

Scientifically designed for simplified massage-brushing

1. **SMALL HEAD** easily reaches intermost tooth surfaces.
2. **FULL TUFTS** of base end cut Chungking bristles, trimmed for interproximal massage brushing.



3. **STRAIGHT** Takamine Bamboo handle will not bend.
4. **STERILIZABLE** in boiling water.
5. **LOW COST** facilitates frequent renewal.

The design of Takamine toothbrushes is such that the patient need not be required to master a complicated massage-brushing technique. The three professional models illustrated offer a complete choice for the doctor's prescription. Each Takamine model is scientifically designed to the exacting requirements of leading periodontists. For example: The Three-row Interdental is designed to facilitate Dr. Hirschfield's technique; the Two-

row Interdental type is used for the technique favored by Drs. Charters, Stillman-McCall. The Standard model is designed to the specifications of Dr. Joseph Head.

The use of Takamine Toothbrushes in cases of Trench mouth is particularly important. These are the only toothbrushes that can be sterilized repeatedly in boiling water, without harming the brush.

TAKAMINE

TAKAMINE CORPORATION, 132 Front Street, New York City

Enclosed remittance to cover my order for..... **TAKAMINE Toothbrushes** at professional prices as checked below: *Check bleached or unbleached bristles.*

For your office dispensation Special prices are:

....**STANDARD** at 7c each. **3-Row Interdental** at 9c each.
.... **2-Row Interdental** at 10c each.

☐ **UNBLEACHED BRISTLES**

☐ **BLEACHED BRISTLES**

If you reside in New York City, please add 2% sales tax

Name **D.D.S.**

Address



MOYCO SPECIAL COMPOUND

A brand-new compound by an old pioneer

For all impression technics, especially in difficult cases involving areas of recent extractions, where the accurate recording of delicate detail is so essential—without undue pressure and tissue distension.

Velvet fine texture and HIGH DEGREE OF PLASTICITY at working temperature (130°—135° F.) Chills quickly without distortion. Easily carved without chipping. Usable with or without plaster or other wash.

ALL DEALERS

THE J. BIRD MOYER COMPANY, INC., 1210-14 VINE ST., PHILADELPHIA, PA.

Please send sample of MOYCO SPECIAL COMPOUND to

Dr.

Address City State

*Relax...Have fun!
Build yourself a
Miniature Railroad!*



**The perfect
hobby for
busy profes-
sional men!**

• Here's an ideal way to relieve nervous tension and forget your worries. Let your boyhood love for trains come back as you build accurate scale-models of the engines and cars that really run. The new Scale-Craft Catalog and Data Book thoroughly explains this fascinating hobby. It shows the most complete line of model railroad equipment ever offered—suggests track layouts—gives construction hints and tells how to build scenic effects. Get started now in this thrilling activity—your entire family will thoroughly enjoy it. Send 25c for catalog today!

SCALE-MODELS, Dept. 1, Libertyville, Ill.

Permanently mounted; will not slip off

Made of flexible long-life rubber

Supplied for angle or straight hand piece

Webbs provide greater, more effective polishing surface

Webbs retain abrasive while in use

They are smooth and gentle, yet powerful

**Crescent
WEBBED
Polishers**



Pat. Sept. 14, 1927

CRESCENT DENTAL MFG. CO.
1839 S. Crawford Ave. CHICAGO



AG

WII
113 W

ORAL OR CONSTIPATION? DISEASE

IT is an intimately personal thing, this subject of offensive breath. The patient is often unaware of it; and the dentist may find himself put to a task in eradicating it.

One reason for this difficulty is that even the normal mouth may give rise to odor as a result of constipation. Whether the odor has its source in oral disease or not, it is good practice to clear out the intestinal tract and eliminate this possible influence.

For comfortable, unhurried intestinal elimination, Agarol may be safely recommended. This mineral oil emulsion with phenolphthalein gently stimulates intestinal activity

without griping or other discomfort. Its palatability and freedom from oily taste make it acceptable to the most fastidious palate. It may be used at every age period and every condition where relief from acute constipation is indicated or the treatment of habitual constipation is undertaken.

If you would like a trial supply of Agarol, please write us. Available in 6, 10 and 16 ounce bottles in all pharmacies.



WILLIAM R. WARNER & CO., INC.

113 WEST 18th STREET - - NEW YORK CITY

TREAT . .

Gingivitis

Stomatitis

Non-specific ulcers

Herpes

Abrasions

WITH

*Campho-
Phenique*



Campho-Phenique is recognized by the profession for its value as a surface analgesic and antiseptic.

The early application of Campho-Phenique to irritated, inflamed, or edematous mucous membranes promptly soothes the tissue, reduces inflammation and aids healing.

Even after scaling, cavity preparation or the taking of impressions the routine application of Campho-Phenique provides a very desirable soothing action.

JAMES F. BALLARD, Inc.
700 N. Second St. • St. Louis, Mo.

CLOVER LEAF IMPRESSION PLASTER

Quick Setting

Used for plaster and plaster wash impressions, and for emergency models in vulcanite work where rapid set is essential.

Properties: Extremely fine and white. Will reproduce the most minute detail. Initial set $3\frac{3}{4}$ minutes, final set $7\frac{1}{2}$ minutes. Breaks with a clean fracture. Expansion less than .02%.

OTHER CLOVER LEAF PRODUCTS:
SOLUBLE IMPRESSION PLASTER
X STANDARD SET PLASTER
HARD PLASTER
LABORATORY PLASTER
HARDITE
VULCANIZING STONE
CLOVERLAC



H. B. WIGGIN'S SONS COMPANY
BLOOMFIELD, NEW JERSEY

Please send me a sample of Clover Leaf Impression Plaster.

Dr.

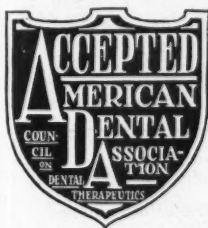
Address

City State

QUESTION: What dentifrice may I recommend to my patients with complete confidence?

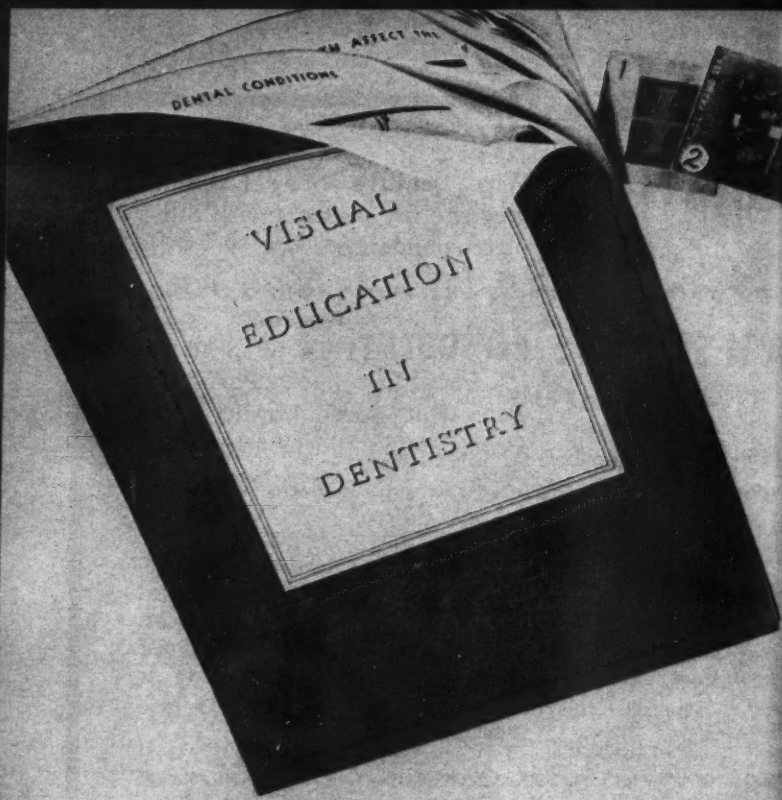
ANSWER: PEPSODENT! In all 3 forms
 . . . Pepsodent Tooth Paste . . .
 Pepsodent Tooth Powder . . .
 Pepsodent Liquid Dentifrice.

REASON: All 3 forms of Pepsodent have been awarded the Seal of Acceptance of the Council on Dental Therapeutics of the American Dental Association . . . your assurance that Pepsodent is Safe, Effective, Truthfully Advertised.



**THE PEPSODENT
 CO.
 CHICAGO**





The following Charts are available as Slides:

- | | |
|---|--|
| 1. How the Loss of Teeth Affects the Face | 9. Pyorrhea Treated or Neglected |
| 2. The Action of Local Anesthesia | 10. The Collapsed Face |
| 3. What Does the X-Ray Show? | 11. The Circulation of the Blood |
| 4. Irregularities of the Teeth | 12. The Requirements of a Correct Restoration |
| 5. "One Rotten Apple Can Spoil a Bushel" | 13. "Things Are Not Always What They Seem . . ." |
| 6. The Danger from the Impacted Tooth | 14. Why Construct a Bridge? |
| 7. The Progress of Tooth Decay | 15. Dental Conditions |
| 8. Insulation | 16. "A Little Neglect May Breed Mischief . . ." |

USES:
uses 2

2—Be
group
each

Price



NOW
AVAILABLE

*Slides of
Visual
Education
Charts*

At the request of many of the practitioners who are using the charts VISUAL EDUCATION IN DENTISTRY in their practices we have produced the sixteen (16) most popular charts in original full natural color, made on kodachrome, standard 2 x 2 inch slides for projection. A set of appropriate lecture material is furnished with each set of slides.

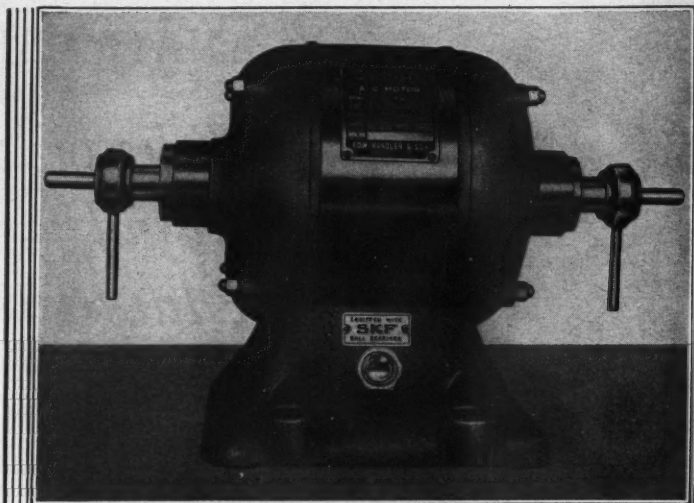
USES: 1—Chairside: in special dental projectors, or any projector that uses 2x2 inch slides.

2—Before Groups: Suitable educational material for talks before public groups. Appropriate lecture material for each subject is furnished with each set of slides.

Price \$16.00 for a set of 16 Kodachrome slides. Please send remittance with order so that the slides can be shipped promptly.

★ THE DENTAL DIGEST ★

1005 Liberty Ave., Pittsburgh, Pa.



Quiet POWER ALL YOU WANT OF IT

Designed and built to give you POWER—THE RED WING DENTAL LATHE will withstand any amount of pressure against a buff. Yet with all this power it runs as quietly as a watch.

Sufficiently heavy to be rigid on the table; true running so it will not vibrate against the work; tapered shafts take any standard chuck for polishing and grinding.

The motor, equipped with S. K. F. ball-bearings, is completely encased to keep it free from dust. Two types for you to choose from: Single speed 3450 R.P.M., 110 volts, A.C., 60 C. \$24.00
Two speeds, 1740 & 3450 R.P.M., 110 volts, A. C., 60 C. 32.00
Other currents and voltages at equally low prices.

The dependable RED WING DENTAL LATHE is a contribution to laboratory efficiency; we want you to know more about it. Either send the coupon for our complete catalog or inquire at your dealer.

EDWARD HANDLER & SON
230 FERRY STREET NEWARK, N. J.

EDWARD HANDLER & SON
230 Ferry Street, Newark, N. J.

Please send me your informative catalog on dental lathes.

DOCTOR

STREET

CITY

STATE

■
L
et

ill
ck

n-
m:
00
00

to
end

N
J.

.....
.....
.....

W
Bo
M
G

T
de
m
w
ta
pr

ra
co
sh
m
ti
ev

ALL
Boo
Syste
Waste
Exert
? Sa
Dent

F

ERICA
O-1
mem
k her
A sup
A co
Masti

ORAL HYGIENE— THROUGH MASTICATORY EXERTION

GUMS MUST BE
TOUGHENED TO
RESIST IN-
FLAMMATION

GINGIVAL MAR-
GIN MOST SUS-
CEPTIBLE TO
BACTERIAL
INVASION

What Bolus Massage Means to

GINGIVAL INVIGORATION

THE cultivation of vigorous gingival tone is a difficult dental assignment. Yet no mouth can be really healthy without gums tough and resistant enough to fulfill their vital protective role.

Although the teeth are so arranged that the excursions of coarse food during mastication should massage the gums, promote circulation, and keep the tissues healthy and hardy, every dentist knows how com-

pletely modern soft foods fail to invoke this self-reinforcement ... with the resultant prevalence of resorptive inflammation.

That is why so many of them recommend mechanical stimulation through the systematic use of a firm non-nutritive bolus. This pleasant habit may be profitably initiated through a little gift to your patients of spicy Dentyne Gum—specially formulated to provide the requisite bulk and resilience.

Use the coupon to secure liberal office samples.

MAIL THE COUPON NOW

Booklet,
"Systematic
Masticatory
Exertion."

2 Samples of
Dentyne Gum.

FREE

DENTYNE
CHEWING GUM

HELPS KEEP TEETH WHITE

5

DENTYNE
CHEWING GUM

.. THE IDEAL MASTICATORY

AMERICAN CHICLE COMPANY
P.O. 11, Long Island City, New York

Men: Please send me free

at here

A supply of samples of Dentyne Gum.

A copy of the booklet, "Systematic
Masticatory Exertion."

Dr. _____

Street _____

City _____ State _____

Write for this
**Free "Test
Package"**

THIS
TEST PACKAGE
CONTAINS
SAMPLES OF
for
CLEANING
POLISHING
FINISHING

WR

FINE
PUMICE RUBBER
DISCS AND
WHEELS
on
GOLD WORK
BRIDGES, INLAYS,
FILLINGS, ETC.

WELDON ROBERTS RUBBER CO.
NEWARK, NEW JERSEY

PUSTOLENE

free trial

A dentist in Virginia writes: "For years I used Pustolene and found it one of the best, if not the best, remedy on the market during the 45 years I have practiced dentistry." We will be glad to send you a free sample—test it yourself. J. A. SPRAGUE & Co., 325 19th Ave., Columbus, Ohio. OH 11-40



PRECISION

PRECISION is a descriptive word, correctly used, in describing the ACCURACY obtained when you use **TEETS PRECISION INLAY IMPRESSION COMPOUND**

Impressions for PORCELAIN INLAYS, JACKET CROWNS, and GOLD INLAYS by the INDIRECT METHOD.

A NEW PRODUCT—But thoroughly tried and recommended by many leading dentists and ceramic technicians. Send for Trial Sample

CO-ORAL-ITE DENTAL MANUFACTURING COMPANY, SANTA MONICA, CALIFORNIA



11 shades
including:

78—Light Orange
79—Light Red
87—Brilliant Red
88—Cherry Red
89D—Deep Pink

"STAR" BRAND for DENTURES
that are strong, light weight, durable
and non-fading

Dentures that are dense, hard, with the necessary modulus of elasticity. Odorless and tasteless, non-injurious to even the most sensitive mouth tissues—"Star" Brand Rubber will meet your most exacting requirements.

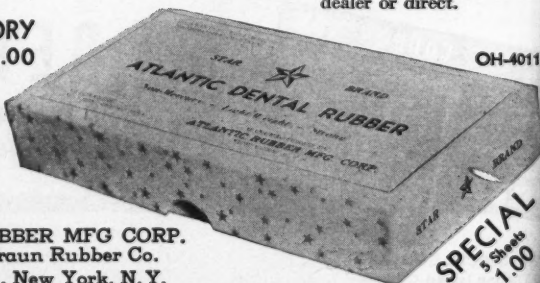
Shrinkage controlled, holds well to metal, easy to work, moderate in price. Put "STAR" BRAND to your own tests.

Send for special package, 5 sheets, one of each new color, through your dealer or direct.

Special
INTRODUCTORY
BOX.....\$1.00

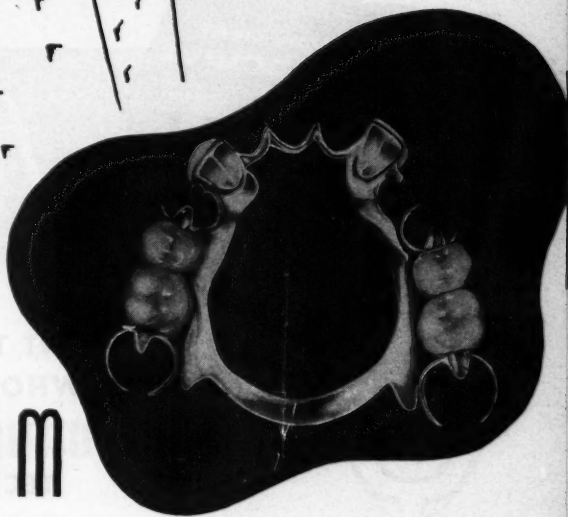
Send this ad
and \$1.00
for liberal
trial supply

ATLANTIC RUBBER MFG CORP.
Successors to Traun Rubber Co.
239 Fourth Ave., New York, N. Y.



OH-4011

SPECIAL
5 Sheets
1.00



NOBILIUM

is PREFERRED

The preference for Nobilium bears relationship to that kind of preference people instinctively show for "the finer things." Just as fine possessions are desirable for either beauty, convenience, comfort, or a combination of these virtues—so is Nobilium preferred for its "featherweight" lightness, lustrous beauty, and the many other unusual features which assure perfect fit and complete comfort.

Nobilium definitely comes within the category of "the finer things" you can offer your patients. The Nobilium processor near you will gladly show sample cases . . . submit designs and estimates, without obligation.

NOBILIUM PRODUCTS, INC.

PHILADELPHIA OFFICE
FOX BUILDING
16th & MARKET STS.

CHICAGO OFFICE
MEDICAL & DENTAL ARTS BLDG.
185 N. WABASH AVENUE



NEW MIZZY LOW H



for all te



A HINT TO DOCTORS WHO USE THE FOURNET-TULLER TECHNIQUE

Since the inception of their impression technique, Drs. Fournet and Tuller have been looking forward to the development of a compound that would be perfectly suited to their technique.

They have at last found an ideal material in the NEW Mizzy Low Heat Compound and have written us to that effect. Drs. Fournet and Tuller entirely approve this material and recommend it now to the many doctors who follow their procedure for producing complete stability in full dentures.

MIZZY INC. • Manufact

05 Ea

* The
both

HEAT COMPOUND

techniques . . .

Formulated to *eliminate* impression difficulties rather than to correct them, the new Mizzy Low Heat Compound combines every possible technical improvement into one superlative material.

1. *It has the widest known working range* and may be brought to the mouth soft enough to avoid tissue displacement, OR semi-soft, should you wish to displace tissue. 2. New texture refinements give sharpest registration of detail. 3. New color gives greatest visibility of detail. 4. Pleasant flavoring and scenting have eliminated old, objectionable compound taste and odor. 5. When

chilled, it cools evenly to the core—*without warping*. 6. Finest, even texture insures trimming without fracture, flaking or chipping. 7. Used between 120° F. and 125° F.—completely comfortable, with no burning of fingers or mouth tissue.

Not only does this new material elevate compound efficiency to a new high level, but climaxing all these advantages, it does its work easily and accurately *no matter what compound technique you employ!*

Try the new Mizzy Low Heat Compound on your very next case—be sure to ask for it in the new blue and red package.



Mizzy impression compound research has made greater strides in the last three years than in all previous history. The improved material doesn't offer more patient comfort—alone; sharper detail—alone; greater accuracy—alone; on the contrary, the superiority of the new material rests with the incorporation of *all* qualities necessary to make Mizzy Low Heat Compound the finest material of its kind.

35 East 16th Street, New York City

* The New Mizzy Compound is available in both low heat (red) and tray material (black).



CANNED FOODS AS SOURCES OF THE ESSENTIAL NUTRIENTS

● Early in this century, the existence of "accessory food factors"—the vitamins—was demonstrated by animal experiments (1, 2). Since that time, building upon information established by earlier investigators regarding the calorie, protein, and mineral needs of man, contemporary workers have developed a practical and fairly complete working knowledge of nutrition. At the present time, the fundamental human dietary requirements are considered in terms of some thirty substances of known chemical composition plus a number of factors whose chemical natures still await determination (3). Likewise, the dietary values of foods also may be discussed in terms of these same essential nutrients.

Viewed from a physiological basis, nutritional failures appear to be conditioned either by consumption of a diet deficient with respect to certain of the essential food factors or to altered processes in metabolism which prevent the efficient absorption and utilization of foods (1). Failures of the latter type can be corrected only by elimination of the defects in metabolism, or by administration of nutrients by routes which permit utilization. However, the vast majority of nutritional failures are associated with the consumption of diets deficient with respect to essential food factors. In the following quotation, the facts regarding malnutrition resulting from faulty diet are concisely stated (1):

"Three facts concerning nutritive failure are becoming increasingly obvious: first, that it does not come solely from lack of

vitamins but from deficiency of proteins and minerals as well; in certain of the lower animals, it comes even from lack of fats; second, that in America it is seldom complete; and third, that it is not, as a rule, the expression of a single nutritive fault. More often it is partial in extent and multiple in nature, with a clinical picture that is correspondingly lacking in detail and hazy in outline."

Although nutritional diseases are manifestations of the prolonged consumption of diets deficient with respect to amino acids, minerals, and vitamins, students of the problem agree (2, 4, 5, 6) that elimination of malnutrition is primarily a problem of increasing the variety of foods regularly eaten. Special emphasis should be placed upon the judicious consumption of familiar foods such as meats, (including glandular organs, poultry, sea food, and fish); eggs; milk in its many forms; milk products; fruits and vegetables; legumes; and the whole cereals and their various products. Thus, in its practical application (7), nutrition may be viewed as "an economic, agricultural, industrial and commercial problem, as well as a problem in physiology."

The nutritive values of canned foods have indeed been well established by means of numerous studies (8). By transforming foods, from the perishable condition in which they are harvested, to canned foods which may be stored for consumption in all seasons, the canning industry has rendered great assistance in carrying out the program designed to eliminate malnutrition in America.

AMERICAN CAN COMPANY

230 Park Avenue, New York, N. Y.

REFERENCES

1. 1939. J. Am. Med. Assoc. 112, 2110.
2. 1938. J. Am. Med. Assoc. 111, 1073.
3. 1940. J. Med. Assoc. Alabama 9, 365.
4. 1940. J. Am. Med. Assoc. 114, 548.
5. 1939. U. S. Dept. Agri. Circular No. 507.
6. 1938. J. Am. Med. Assoc. 111, 1846.
7. 1935. Quart. Bull. Health Organ. League of Nations 4, 326.
8. 1939. Canned Food Reference Manual, American Can Company, New York.

We want to make this series valuable to you, so we ask your help. Will you tell us on a post card addressed to the American Can Company, New York, N. Y., what phases of canned-foods knowledge are of greatest interest to you? Your suggestions will determine the subject matter of future articles. This is the sixty-fifth in a series, which summarizes, for your convenience, the conclusions about canned foods reached by authorities in nutritional research.



The Seal of Acceptance denotes that the statements in this advertisement are acceptable to the Council on Foods of the American Medical Association.

Enthusiastic
a dentist
three delic
a day. Ca
onics beca
manufactur
C. and D
protein, co

CAL-C-

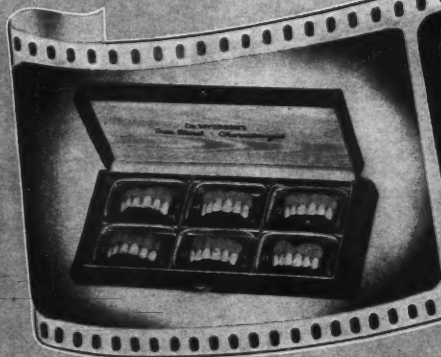


ENTHUSIASTIC COÖPERATOR

Enthusiastic coöperation is the rule whenever a dentist puts his patient on Cal-C-Tose, three delicious chocolate-flavored milkshakes a day. Cal-C-Tose is unique among nutritive tonics because it contains vitamins of Roche manufacture, adequate doses of A, B₁, B₂, C, and D; because of its skimmed milk protein, calcium, and other mineral contents; and because, when mixed with milk it makes a chocolate drink as delicious as the favorite soda fountain beverages. No other supplementary vitamin medication is necessary for patients who are taking Cal-C-Tose. Packages: 12-oz. and economy-size 5-lb. cans. HOFFMANN-LA ROCHE, INCORPORATED, ROCHE PARK • NUTLEY • NEW JERSEY

CAL-C-TOSE PROVIDES ADEQUATE 5-VITAMIN DOSAGE

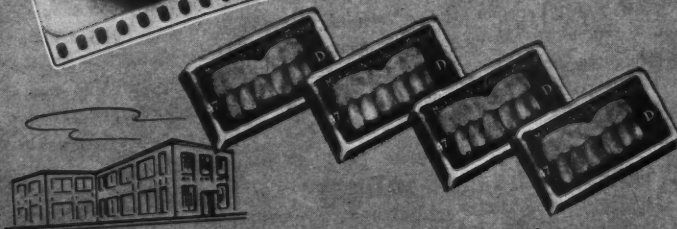
PREVIEW



1.
You order a small supply
of Dr. Myerson's Character-
ized and "True-Blend"
Anteriors mounted on the
new Trial Mounts.



3.
Actually an acrylic-like
holder, the teeth are
adjustably positioned in
a small strip of wax.



MYERSON PATENTS # 2,202,712 and 2,202,713

IDEAL TOOTH INCORPORATED

on the first visit

MYERSON'S *Characterized*

47

D

PATENT APPLIED FOR

2.

You select the actual set of teeth required for the patient. It looks like a specimen case.



4.

The patient with the actual set of teeth to be used in her denture tried in the mouth on the first visit.

Made possible by

DR. MYERSON'S NEW INVENTION

for MOUNTING instead of carding

"Characterized" and "True-Blend"

PATENTED

PATENTED

Anteriors

CAMBRIDGE, MASSACHUSETTS

10c per word, initials and figures used each counting as one word. Please send remittance with your order.

WANT ADS

Restricted to help and positions wanted, and practices wanted, and practices for sale. The minimum charge is \$2.

FOR SALE: Fully equipped office in New York State, due to recent death. An established practice. Excellent opportunity for right party. "R" Oral Hygiene, Pittsburgh, Pa.

WANTED: Dentist, Georgia license; take over modern fully equipped ethical office and practice of fifteen years, with the privilege of buying. Dr. J. D. Moreland, Rome, Georgia.

FOR SALE: New Jersey dental office, four rooms, junior and senior Ritter units, fully equipped, fine furnishings. Excellent practice; in office building, long established. Retiring. Cash only. "NJ" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: Due to death; good practice, equipment and supplies. Newly remodeled town office. Fifteen hundred dollars. Mrs. Elsie Penney, 4927 North Stevens, Spokane, Washington.

Iowa practice, unopposed, runs about ten thousand dollars yearly. Small investment, easy terms. Wealthy community. Population twelve hundred. "V" care Kniest, 1537 S. 29th St., Omaha, Nebr.

POSITION WANTED by New York registered dentist; salary, or salary and commission. Experienced and well qualified. Excellent operator and denture man. Capable manager. "NY" Oral Hygiene, Pittsburgh, Pa.

WANTED: Practice or partnership in New Jersey, Pennsylvania, New York or Ohio. Make investment. Dr. "W" care Kniest Company, 1537 S. 29th St., Omaha, Nebr.

DENTIST WANTED with California license to succeed successful Los Angeles dentist, retiring. Established ethical practice, modern furnishings and equipment, class A building, low rent. "D" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: Central Pennsylvania practice established twenty years; modern equipment. X-Ray. Industrial town of twenty thousand. Sell for inventory, cash before December 1. "MC" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: Dental office. Like to retire; been in business forty years. New outfit eight years ago. Inquire of Dr. H. H. McMullen, Oil City, Penna.

DENTIST WANTED: Ohio license, experienced. One that wishes to acquire future practice. Opportunity for sober and reliable dentist. "OHIO" Oral Hygiene, Pittsburgh, Pa.

DENTIST WANTED: Operator, first class office. Registered Illinois. Earnings \$175 monthly. "K" Oral Hygiene, Pittsburgh, Pa.

DENTIST WANTED: Maryland license. Salary and commission. Experienced man for busy office. "V" Oral Hygiene, Pittsburgh, Pa.

For first time, no dentist in Minnesota town of 550; physician suggests inquiries. Nothing to sell; room available. "Y" Oral Hygiene, Pittsburgh, Pa.

Retiring pyorrhea specialist will sublet for part or full time, with opportunity of acquiring select clientele. Fully equipped. (2) operating rooms, laboratory, reception room. Centrally located in New York City. "E" Oral Hygiene, Pittsburgh, Pa.

FOR SALE: Ohio practice, small town of fourteen hundred. No competition. Plenty of work. Gross six thousand dollars. Rent fifteen dollars. "O" Oral Hygiene, Pittsburgh, Pa.

SELLING YOUR PRACTICE: Why not use the classified columns of The Dental Students' Magazine: circulation 10,750 monthly, includes students of all classes in dental schools in U.S.A. and Canada; together with 3400 recent graduates of 1939 and 1940, many of whom are now looking for a location such as you have to offer. Rate \$2.50 for 50 words or less. Cash with order. Address Dental Students' Magazine, Palmolive Bldg., Chicago, Illinois.

Practices furnished and sold, location, partnerships; all states. F. V. Kniest, 1537 S. 29th St. Omaha, Nebr.

Mu-col

AIDS GRANULATION—REDUCES RISK

MU-COL assists normal granulation after extractions and reduces the risk of infection: its cooling and soothing qualities give quick, dependable relief to the patient. A distinctly superior saline-alkaline bacteriostatic. MU-COL has been used by many dentists for over a quarter century. Valuable as a mouth wash and cleaner for dentures. A powder, non-deteriorating, quickly soluble.

PLEASE SEND MU-COL SAMPLES

THE MU-COL CO.
Dept. OH-110
Buffalo, N. Y.

Name D.D.S.
Address

GENER
AND
1900 V

*This
might do
in a
"Pinch"*

But, shortsighted, impulsive action is hazardous and may prove costly. There is, of course, no satisfactory substitute for professional service. And the same is true of gold. Where gold is indicated it will serve with credit to the dentist and satisfaction to the patient. For the care and preservation of the teeth, there is a DEEpendable gold . . . one that will respond to your technic and serve well. **INSIST ON GOLD . . .** and say DEE to your laboratory and dealer.



**There Is A DEE GOLD
For Every Dental Requirement**



DEEONE
"Type A" Gold
\$1.93 Dwt.



DEETWO
"Type B" Gold
\$1.88 Dwt.



DEESIX
"Type C" Gold
\$1.98 Dwt.



DEESEVEN
"Type C" Gold
\$1.61 Dwt.

T H O M A S J.

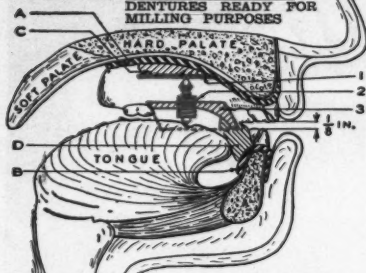
DEE & CO.
Precious Metals

GENERAL OFFICES
AND PLANT
1900 W. KINZIE ST.

CHICAGO

DOWNTOWN OLD GOLD
AND SALES OFFICE
55 E. WASHINGTON ST.

CROSS-SECTION THRU MOUTH WITH
CORRELATOR PARTS MOUNTED IN
DENTURES READY FOR
MILLING PURPOSES



THE CORRELATOR— SOLD ON A MONEY BACK GUARANTEE

This instrument stabilizes dentures, enabling spot grinding and milling to be completed in the patient's mouth. DENTAL AUTHORITIES AGREE THIS TO BE THE ULTIMATE IN DENTURE CONSTRUCTION. This instrument is also used in securing bite relations.

Write for full information.

The Denture Correlator Manufacturing Co.
1927 25th Ave. No. Seattle, Wash.

When you're "on the go,"
remember these fine service hotels.

DINKLER HOTELS

CARLING DINKLER, Pres. and Gen. Mgr.

Operating

THE ANSLEY,
Atlanta

THE TUTWILER,
Birmingham

THE ANDREW JACKSON,
Nashville

THE JEFFERSON DAVIS,
Montgomery

THE O. HENRY,
Greensboro

THE ST. CHARLES,
New Orleans

THE SAVANNAH, Savannah, Ga.

SAVE YOUR OFFICE ENGINE

use the FOREDOM AUXILIARY ENGINE

Complete with
HANDPIECE
only \$13.75

Just what you've always
needed for those odds
and ends of work you
prefer to do away from
the chair.



The Model S7 Auxiliary Engine is complete with exceptionally comfortable and efficient handpiece, similar in size to Doriot type; amply powerful universal motor (operates on AC and DC); extra-flexible cable; cord plug, switch and wall bracket, \$13.75. Foredom—manufacturers of a complete line of cable and all cord engines since 1922.

Order from Dealer or direct from
FOREDOM ELECTRIC CO., Dept. 184
27 Park Place New York, N. Y.

KEEP OUT of the RED with a BOSWORTH BOOKKEEPING SYSTEM

Put your practice on a paying basis
by using this simplified single-
binder system. It's concise, com-
prehensive, a visible record. Every
user gets FREE the valuable Bos-
worth Practice Management Service.

WRITE
FOR FREE

LITERATURE HARRY J. BOSWORTH CO.
1315 S. MICHIGAN AVE., CHICAGO

If you do your own Orthodontia



2000 to 4000 rubber lig.—any two sizes \$1.00
100 ft. No. 3 silk (grassline).....\$1.00
300 ft. No. .010 stainless wire lig.....\$7.00

Direct or through your dealer

O Spro

Vogue Building, Wells at Van Buren
Chicago, Illinois.
Write for samples and literature

WILL
CO-1
(POV)
PERFECT ADI
TOR!
This
is
EA

"PARTIAL DENTURES"



CO-RE-GA, on account of its long resistance to oral fluids, is of material aid in dividing the load evenly over the basal seat, and, at the same time, assisting adaptation.

In many cases CO-RE-GA also prevents mandibular removable bridges from rocking or wobbling.



WILSON'S
CO-RE-GA
(POWDERED)
PERFECT ADHESIVE FOR DENTURES

CTOR!
*This Coupon
is for your
Exclusive Use*

PLEASE SEND FREE SAMPLES FOR PATIENTS

Dr. _____

COREGA CHEMICAL COMPANY
208 ST. CLAIR AVE., N. W. CLEVELAND, OHIO

CO-RE-GA is not advertised to the public

FOR ACCURATE REPRODUCTIONS OF SOFT TISSUE
USE

ORDER
FROM
YOUR
DEALER



MONEY
BACK
GUARANTEE

OUTSTANDING BECAUSE IT IS DEPENDABLE
ACKERMAN DENTAL MFG. CO., SANTA MONICA, CALIF.

ALL A. C. CLARK EQUIPMENT PARTS

WE OFFER AN EXCLUSIVE SERVICE

We will recondition your A. C. Clark equipment at a minimum of cost. We can replace broken or worn parts promptly. No delay.

Work fully guaranteed.
We welcome your inquiries. No obligation for estimates.

GLAZBROOK BROS. DENTAL SERVICE SHOP
7225 Wentworth Avenue Chicago, Ill.

Please note special
announcement on pages 1438-1439, this issue

CHRISTMAS SEALS



Help to Protect Your
Home from Tuberculosis

Binders for Oral Hygiene
35c each

When ordering, state for what year
binder is intended.

Send order with remittance to

ORAL HYGIENE
1005 Liberty Ave.
Pittsburgh, Pa.

GUDEBRO
Please send

Dr. _____
Address _____
Dealer _____

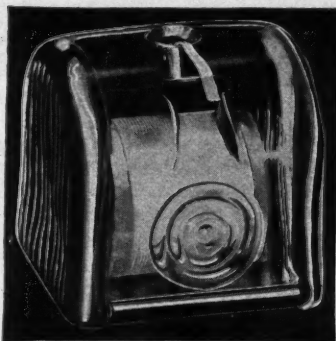
YOU CAN'T LOSE

By sending the Coupon

NOW

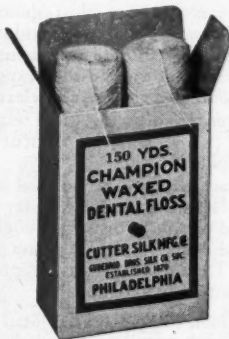
A gift is offered to dentists using the coupon below.

Attractive — New Champion Floss Font 3 parts not 15 —cannot get out of order.



2 3/4" x 2 3/4" x 2 3/4" Approx. Size

Champion Ribbon Floss is great floss. You will think so too when you use it. Almost paper *thin*, when sprinkled with pumice it makes a perfect prophylactic ribbon. *Strong*—one strand will lift a 15 lb. weight. We'll send you an extra refill, value 75c, if you use this coupon to get our beautiful office dispenser filled with Champion Ribbon Floss. You will need floss—accept this offer. Be pleased with the quality and saving.



DENTISTS UNIT

One Jar of Round Champion Floss—150 yards

Value \$1.00

Two Refills—300 yards

Value \$2.00

Offer! \$3.00 Combination

Value for \$2.00

Use Coupon below

GUDEBROD BROS. SILK CO., INC. (Founded 1870) 12 South 12th Street, Philadelphia, Pa.

Please send ☐ Champion Floss Dispenser with 65 yards of Floss for \$2.00 plus a Free 75c refill

☐ \$3.00 value Combination of Round Floss for \$2.00

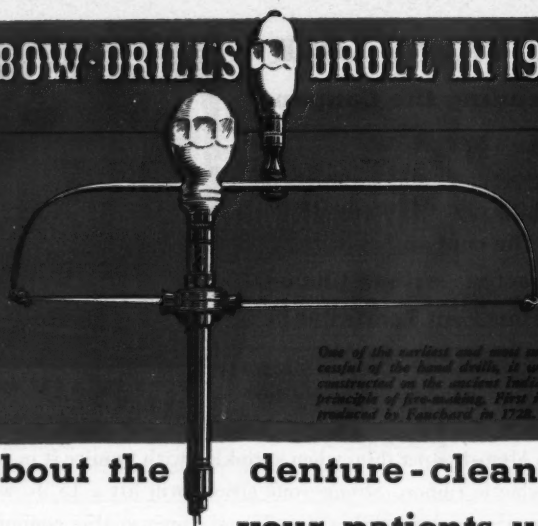
(Enclose your check or money order—mark which item you desire.)

Dr. _____

Address _____

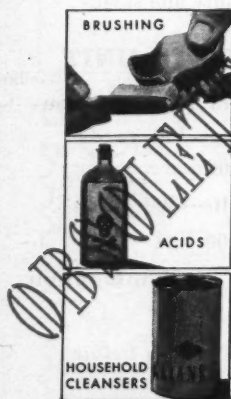
Dealer _____

THE BOW-DRILL'S DROLL IN 1940



One of the earliest and most successful of the hand drills, it was constructed on the ancient Indian principle of fire-making. First introduced by Fauchard in 1728.

How about the denture-cleanser your patients use?



No less out-of-date than this torturous "Bow" drill, of 200 years ago, are old-fashioned methods of denture-cleaning still used today... brushing, strong acids, harsh abrasives, household cleansers that may wear down or distort expensive plates... "cleansers" that do not really clean!

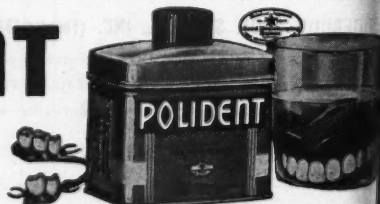
Discover for yourself... and recommend to your patients... a modern denture-cleanser... **POLIDENT!**

Safe, sure, easy and economical to use, a solution of POLIDENT in a little water SOAKS plates sweet and clean... dissolves toughest mucin, tarnish, food debris... leaves plates fresh, sparkling, odorless. Does not harm rubber, precious metals or newer denture materials.

SEND FOR FREE SUPPLY! Mail lower portion of this page with your card or letterhead to HUDSON PRODUCTS, Inc., 220 W. 19th St., New York City.

POLIDENT

**A MODERN No-Brush
Cleanser**



Garhart
is extren
cult to n
is not q
sets prom
neverthel

AT YO
SYNT



your patients get it in

GARHART

Flexible

SYNTHAY PORCELAIN

Garhart Synthay Porcelain has a more natural appearance. Its translucency duplicates that of natural tooth structure. Although Synthay Porcelain has a high powder absorption, it does not contain devitalizing ingredients. Eight improved, standard shades. Try Garhart Synthay Porcelain . . . its unique qualities and economy will make it a "must" among your dental supplies.

Garhart Synthay Porcelain is extremely plastic. Difficult to mix too stiff. If mix is not quite stiff enough, sets promptly in the mouth, nevertheless.

With Garhart Synthay Porcelain you use your own technique, nothing new to learn. Dense, strong anterior fillings assured.

Perfected Garhart Synthay Porcelain is supported by more than 20 years of research and successful clinical performance.

**SPECIAL
INTRODUCTORY
OFFER**

\$8⁵⁰

GARHART SYNTHAY PORCELAIN

Costs $\frac{1}{3}$ Less

Than other good porcelain



**AT YOUR DEALER—ORDER
SYNTHAY PORCELAIN
TODAY!**

GARHART

DENTAL SPECIALTY CO.
KENDALL SQUARE, CAMBRIDGE, MASS.

WHO'S WHO AND WHERE

Although we aim for accuracy in this index, last minute changes often alter page numbers and positions.

Abbott Laboratories	1396c	Ivory, J. W.	1412
Ackerman Dental Mfg. Co.	1454	Jelenko & Co., Inc., J. F.	1382
American Can Co.	1446	Johnson & Johnson	1322
American Chiclet Co. (Dentyne Gum) 1441		Karpex Mfg. Co.	1416
American Home Products	Insert	Kerr Dental Mfg. Co.	1322
Anacin Company	Insert	Kolynos Company	1417
Antidolor Mfg. Co.	1340-1, 1396g	Konformax Labys., Inc.	1360
Atlantic Rubber Mfg. Corp.	1442	Lactona, Inc.	1404-5
Austenal Labys., Inc.	1418-19	Lavoris Co.	1450
Baker & Co.	Insert	McKesson Appliance Co.	1320
Baldor Electric Co.	1396a	McKesson & Robbins, Inc.	1420
Bayer Co.	1428	Manhattan Mfg. Co.	1394
Bendick Co.	1402	Minimax Co.	1423
BiSoDol Co.	Insert	Mizzy, Inc.	1444-5
Bosworth Co., Harry J.	1452	Model Railroad Magazine	142
Bristol Myers Co.	1338, 4th cover	Morgan, Hastings & Co.	1390
Buckley Pharmacal Co.	1396h	Morris & Co., Ltd., Philip	141
Buffalo Dental Mfg. Co.	1396f	Moyer Co., Inc., J. Bird	143
Butler Co., Dr. John O.	1396d	Mu-Col Co.	141
Calsodent Co., Inc.	1344	National Welding Equipment Co.	141
Campho-Phenique Co.	1436	Ney Co., J. M.	1370
Castle Co., Willmot	1392	Nobilium Products, Inc.	142
Caulk Co., L. D.	1413	Num Specialty Co.	143
Clark Cleveland, Inc.	1398-9	Nu-Plate Dental Co., Inc.	1400
Cleveland Dental Mfg. Co.	2nd cover	Ohio Chemical & Mfg. Co.	12
Columbia Dentoform Corp.	1394	Ospro	141
Cook Labys., Inc.	1340-1	Parisien Chemical Co.	141
Co-Oral-Itte Dental Mfg. Co.	1442	Pelton & Crane Co.	12
Corega Chemical Co.	1453	Pepsodent Co.	141
Cosmos Dental Products, Inc.	1410-11	Polident	141
Crescent Dental Mfg. Co.	1396h, 1424, 1425, 1434	Procter & Gamble (Teel)	141
Curtis Pneumatic Machinery Co.	1412	Prometheus Electric Corp.	1320
Cutino Co.	1396a	Ritter Dental Mfg. Co., Inc.	141
Dee & Co., Thomas J.	1451	Roberts Rubber Co., Weldon	141
Dentists' Supply Co., The	1328-9, 1403	Rocky Mt. Metal Products Co.	141
Denture Correlator Mfg. Co.	1452	Rohm & Haas Co., Inc.	1400
Dentyne Gum (American Chiclet Co.) 1441		Rorer, Inc., Wm. H.	141
Denver Chemical Mfg. Co.	1430	Royal Metal Mfg. Co.	141
Dewey School of Orthodontia	1396a	Scale-Models	141
Dinkler Hotels	1452	Schoonmaker Labys., Inc.	141
Dixie-Vortex Co.	1407	Silvodont Co.	141
Doherty Rubber Works, Eugene	1430	Smith & Son Mfg. Co., Lee S.	1402
Drucker Co., August E.	1427	Specialty Products Co.	141
DuPont Film Mfg. Corp., Inc.	1459	Sprague & Co., J. A.	141
DuPont de Nemours & Co., Inc., E. I. 1388-9		Spycro Smelting & Refining Co. 3rd cover	
(Plastics Department)		Squibb & Sons, E. R.	12
Fink-Roselieve Co., Inc.	1391	Sterile Products Co.	141
Fischer & Co., H. G.	1406	Stimulents, Inc.	141
Flier Corp., Frank H.	1336	Takamine Corp.	141
Florida Citrus Commission	1397	Teel	141
Foredom Electric Co.	1452	Ticonium	141
Forhan Co.	1346	Torit Mfg. Co.	141
Garhart Dental Specialty Co.	1457	United Drug Co.	141
General Electric X-Ray Corp.	1335	Universal Dental Co.	141
Glazbrook Bros.	1454	Vernon-Benshoff Co.	141
Gudebrod Bros. Silk Co., Inc.	1455	Vitalene Dental Mfg. Corp.	141
Handler & Son, Edward	1440	Wander Co.	141
Handpiece Glove Co.	1396h	Warner & Co., Inc., Wm. R.	141
Hoffmann-LaRoche, Inc.	1447	Web Distributing Co.	141
Hudson Products, Inc.	1456	Webster Co., William A.	141
HuFriedy Mfg. Co.	1420	Wernet Dental Mfg. Co.	141
Huppert, Karl H.	1396h	Whip-Mix Corp.	141
Hy-Kare Laboratories	1414	White Dental Mfg. Co., The S. S.	141
Ideal Tooth, Inc.	1448-9	Wiggin's Sons Co., H. B.	141
International Nickel Co., Inc.	1409	Williams Gold Refining Co.	141
		Wilmot Castle Co.	141
		Wyeth & Bro., Inc., John	141



DENTAL X-RAY PRODUCTS

Give You

Speed

3 ways

In Exposure The extra sensitivity of Du Pont Dental X-ray Films means sharper radiographic detail. With less time required to make an exposure, there is less opportunity for the patient to blur the image by moving. Du Pont D's require $1\frac{1}{2}$ seconds for a lower incisor, $3\frac{1}{2}$ seconds for an upper molar. Single coated Du Pont S's are fast for a one-emulsion film.

In Handling Du Pont Pull-A-Tab packets help you position a film quickly. They have just the right amount of flexibility. Their corners and edges are rounded for comfort. Opening a Pull-A-Tab packet is simplicity itself. Catch the tab, tear back and pull. The film comes out with the inner lining. The lead foil backing remains in the outer envelope.

In Processing Du Pont Concentrated X-ray Chemicals speed up processing. Less than 5 minutes after placing a film in the developer you can view it (wet) by white light. The developing time is $2\frac{1}{2}$ min. (68°F.)

Du Pont Film Manufacturing Corporation, Inc.
9 Rockefeller Plaza, New York, N. Y.

Rapid Processing X-ray Chemicals

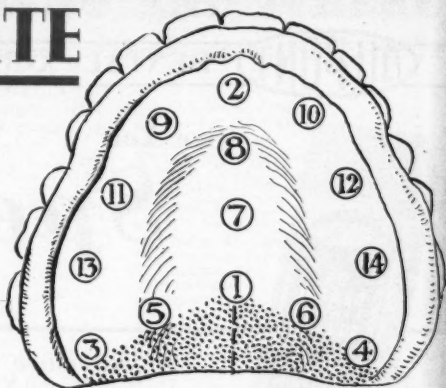
Du Pont 47 Developer and 27 Fixer are concentrated liquid x-ray chemicals, simply prepared by dilution with water. One quart of the concentrate makes one gallon of ready-to-use solution. They process films quickly, produce excellent contrast and have a long useful life.



NU-PLATE

Another Formula of
R. J. FORHAN, D.D.S.
internationally known as
an originator of dental
products.

A REBASING PLASTIC



Gives a Perfect New Impression on Old Plate

Tasteless, odorless, no burning of tissues, lasts for weeks; becomes a pearly, pink hard surface.

*Doctor, convince yourself of the
many uses you have for Nu-Plate.*



Make your severest test by selecting some "impossible" case. Every dentist has at least one he would like to be finished with. Take impression on patient's misfit or old discarded plate. Have patient eat on it for a day or two. If he says it is the best ever, reline from this impression.

Order from your dental supply house. If you are unable to secure promptly, send \$1 per package prepaid.

NU-PLATE DENTAL CO., INC.
202 EAST 44TH STREET
NEW YORK CITY

PRICE \$1 ENOUGH FOR
16 RE-LININGS